//NEW: Speed Sectional Doors with N, H and V Track Application

High-Speed Doors

Technical Manual: Issue 01.09.2013

HÖRMANN

Hörmann high-speed doors

A broad programme for inside and outside

From low-cost design models to secure night doors

Hörmann high-speed doors are characterised by excellent material quality and reliable long-term function. They are used inside and outside to optimise the flow of traffic, improve room climate and save energy.

This broad programme includes transparent doors with flexible curtains that open vertically or horizontally.

For day / night doors, we also offer flexible high-speed doors combined with rolling shutters and sectional doors.

Hörmann high-speed doors comply with strict European safety requirements.

ift ZERTIFIZIERT

CE

Contents

All dimensions in mm.
Subject to design changes.

Doors with Fixed Door Leaf

Technical data

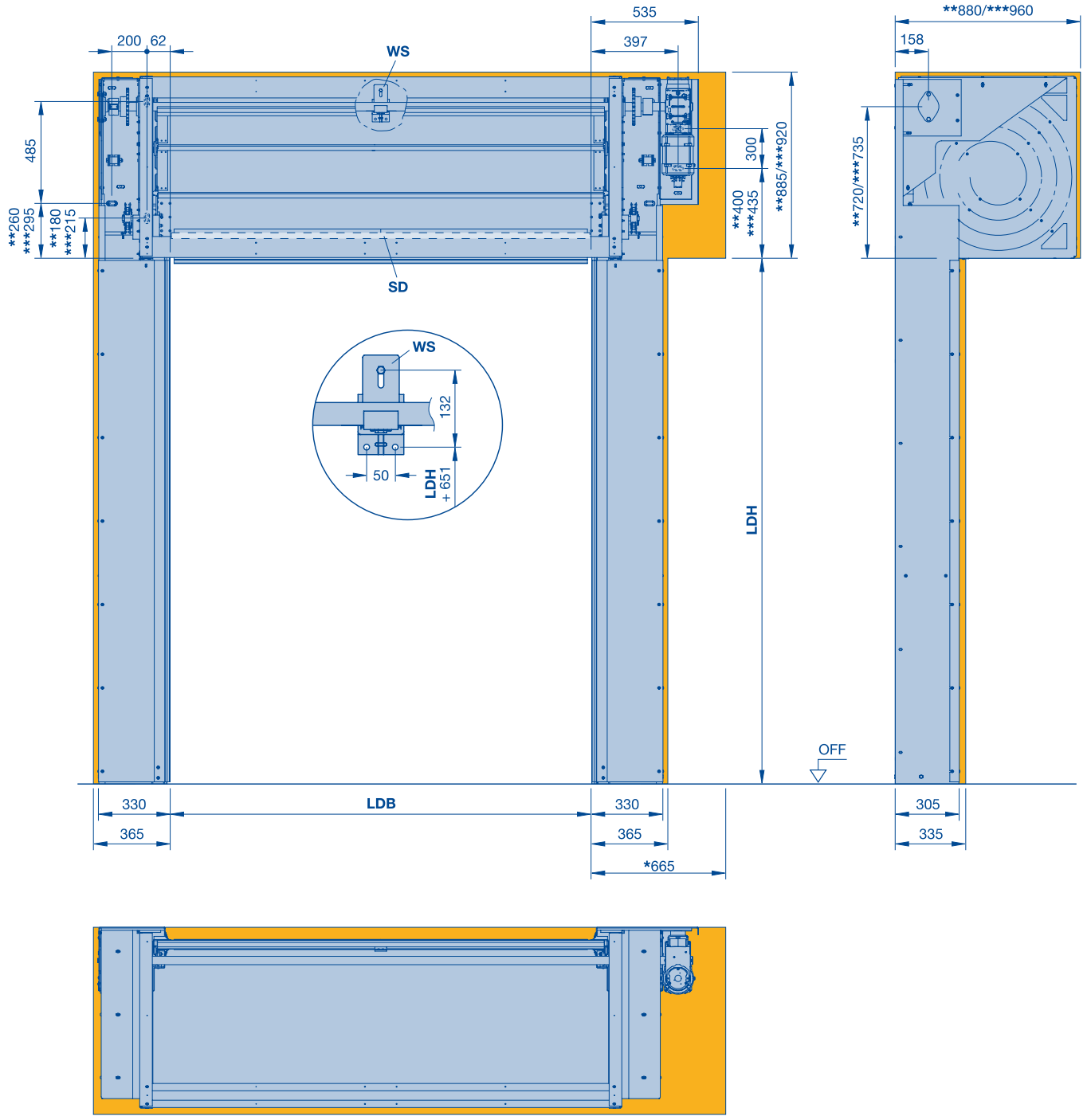
Use	Internal door / external door	
Speed	FU control (3-phase)	Max. opening speed, approx. m/sec.
	FU control (1-phase)	Max. opening speed, approx. m/sec.
		Max. closing speed, approx. m/sec.
Safety equipment	DIN EN 13241.1	
Resistance to wind load	DIN EN 12424	
Resistance to water penetration	DIN EN 12425	
Air permeability	DIN EN 12426	
Transmission of heat	DIN EN 12428	
Acoustic insulation	DIN EN 52210 dB	
Door sizes	Max. width LDB	
	Max. height LDH	
Fitting dimensions (space requirement) **See also the fitting data**	Operator side (with cladding)	
	Bearing side (with cladding)	
	Lintel (with cladding)	
	Lintel LDH up to 5000 mm (with straight / chamfered (10°) cladding)	
	Lintel LDH from 5001 up to 6000 mm (with straight / chamfered (10°) cladding)	
	FU control in steel cabinet (AS), 3-phase (W × H × D)	
	FU control in plastic cabinet (BK), 1-phase (W × H × D)	
	FU control in steel cabinet (BS), 1-phase (W × H × D)	
	FU control in steel cabinet with UPS (BS), 1-phase (W × H × D)	
Door construction	Self-supporting	
Door leaf counterbalance	Supporting	
Door leaf	Double-skinned section thickness	
	Foamed door leaf	
Door leaf material / surface	Steel, RAL 9006	
	Wet coating in RAL to choose	
	Aluminium rail window, anodised aluminium E6 / EV 1	
Glazing	Double synthetic panes	
	Triple synthetic panes	
Ventilation grille	Ventilation cross section dependent on size / version (at least 30 %)	
Operator and control	Frequency converter	
	Connecting voltage	3-phase
		1-phase
	Open-Stop-Close button	
	Main switch all-pole switch off	
	Fuse protection	3-phase
		1-phase
	Protection category for operator and control	
	Emergency-OFF button	3-phase
		1-phase
	Closing edge safety device with energy chain	
	Closing zone monitoring	Safety light grille IP 67
	External route monitoring	Photocell
		Light grille
	Door area monitoring	Radar presence detector
		Induction loop
	Hold-open phase in sec.	
	Electronic limit switch DES	
Emergency opening	Emergency crank handle	
	Emergency hand chain	
	Counter weight / spring	
	UPS in plastic cabinet (200 × 400 × 200) for FU control 230 V, 1-phase (up to 9 m² on request)	
Volt-free contacts		
Impulse generator		
Safety devices		

HS 7030 PU	HS 5015 PU N	HS 5015 PU H	HS 6015 PU V
●	●	●	●
2.5	1.5	1.5	1.5
2.5	1.5	1.5	1.5
0.5	0.5	0.5	0.5
●	●	●	●
Class 4	Class 4	Class 4	Class 4
Class 3	Class 3	Class 3	Class 3
Class 0	Class 0	Class 0	Class 0
1.95 W/(m²·K)	1.95 W/(m²·K)	1.95 W/(m²·K)	1.95 W/(m²·K)
26	26	26	26
6500	5000	5000	6500
6000	5000	6000	6000
665 (665)	665	665	665
365 (415)	415	415	415
–	480 (480)	Min. 750	2x LDH +585
885 (970 / 1115)	– / (–)	– / (–)	– / (–)
920 (1005 / 1150)	– / (–)	– (–)	– / (–)
400 × 600 × 200	400 × 600 × 200	400 × 600 × 200	400 × 600 × 200
200 × 400 × 200	200 × 400 × 200	200 × 400 × 200	200 × 400 × 200
300 × 400 × 150	300 × 400 × 150	300 × 400 × 150	300 × 400 × 150
400 × 600 × 200	400 × 600 × 200	400 × 600 × 200	400 × 600 × 200
–	–	–	–
●	●	●	●
42	42	42	42
●	●	●	●
●	●	●	●
○	○	○	○
●	●	●	●
●	●	●	●
○	○	○	○
○	○	○	○
●	●	●	●
3 – 400 V, N, PE	3 – 400 V, N, PE	3 – 400 V, N, PE	3 – 400 V, N, PE
1 – 230 V, N, PE	1 – 230 V, N, PE	1 – 230 V, N, PE	1 – 230 V, N, PE
●	●	●	●
●	●	●	●
20 A, slow-acting	20 A, slow-acting	20 A, slow-acting	20 A, slow-acting
16 A, slow-acting	16 A, slow-acting	16 A, slow-acting	16 A, slow-acting
IP 54	IP 54	IP 54	IP 54
●	●	●	●
○	○	○	○
–	–	–	–
●	●	●	●
–	–	–	–
○	○	○	○
○	○	○	○
○	○	○	○
1 – 200	1 – 200	1 – 200	1 – 200
●	●	●	●
–	–	–	–
●	●	●	●
– / –	– / –	– / –	– / –
–	–	–	–
○	○	○	○
○	○	○	○
○	○	○	○

● Standard ○ Optional

Door with Fixed Door Leaf HS 7030 PU

With PU insulating panels



* Space required to fit / dismantle the operator
** If (LDH ≤ 5000 mm)
*** If (LDH > 5000 mm – ≤ 6000 mm)
LDH Clear passage height

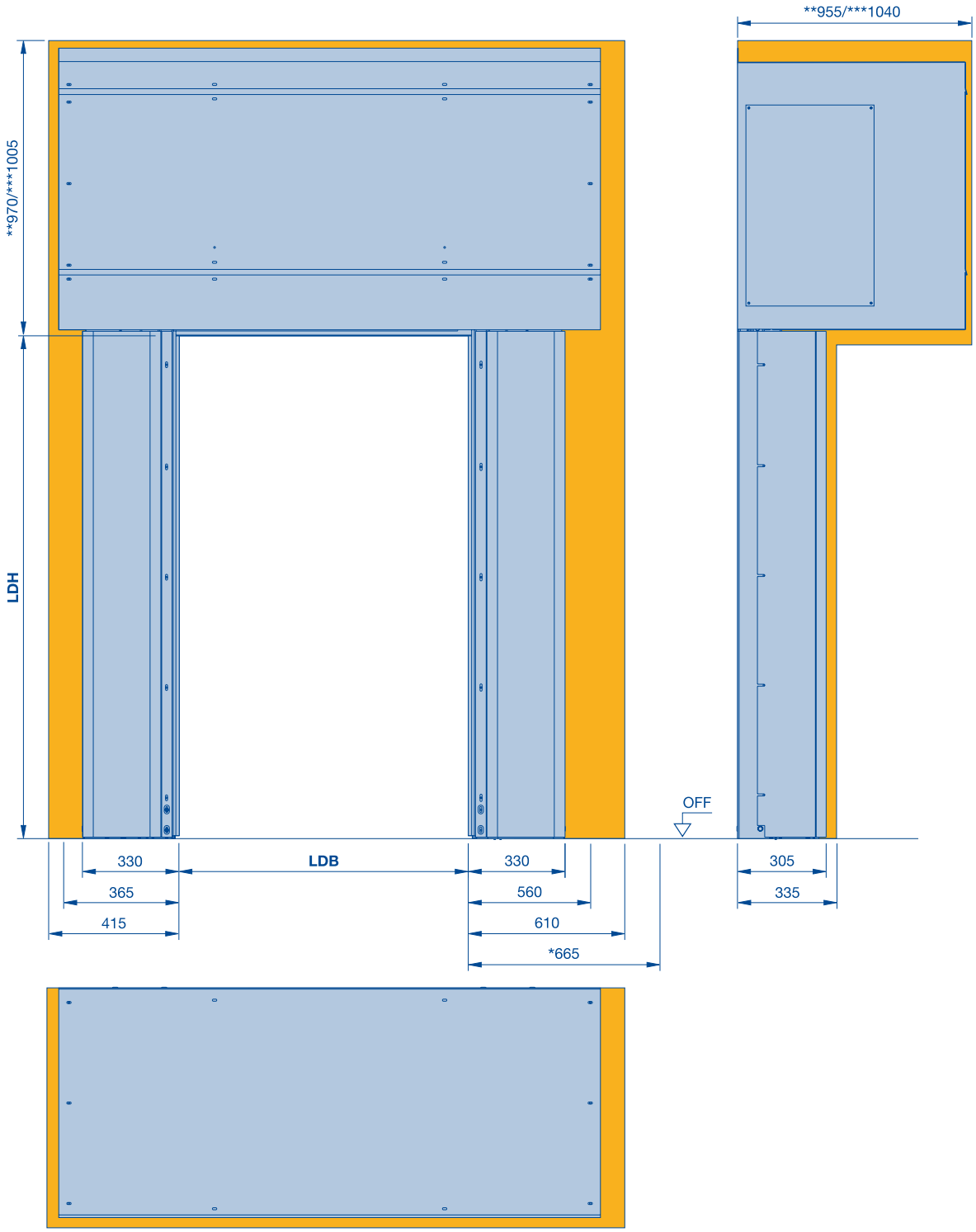
LDB Clear passage width
SD Lintel seal (LDH + 90 mm)
OFF Finished floor level

WS Shaft support
(LDB > 3500 mm) 1 unit in centre
(LDB > 5000 mm) 2 units equally distributed
All dimensions in mm

Door with Fixed Door Leaf HS 7030 PU

With PU insulating panels

Full cladding, straight



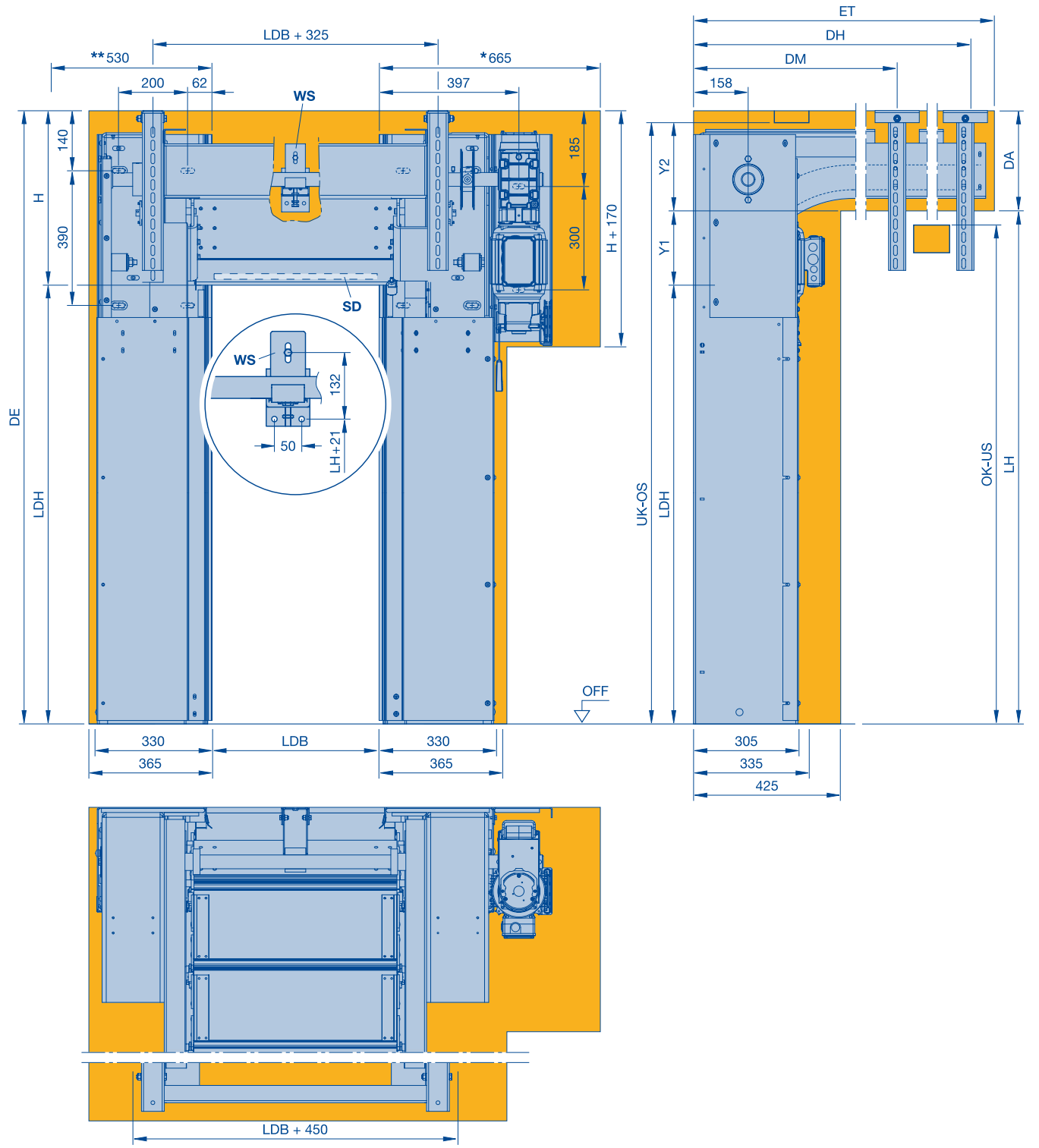
* Space required to dismantle the operator
** If (LDH ≤ 5000 mm)
*** If (LDH > 5000 mm – ≤ 6000 mm)

LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Door with Fixed Door Leaf HS 5015 PU N

With PU insulating panels

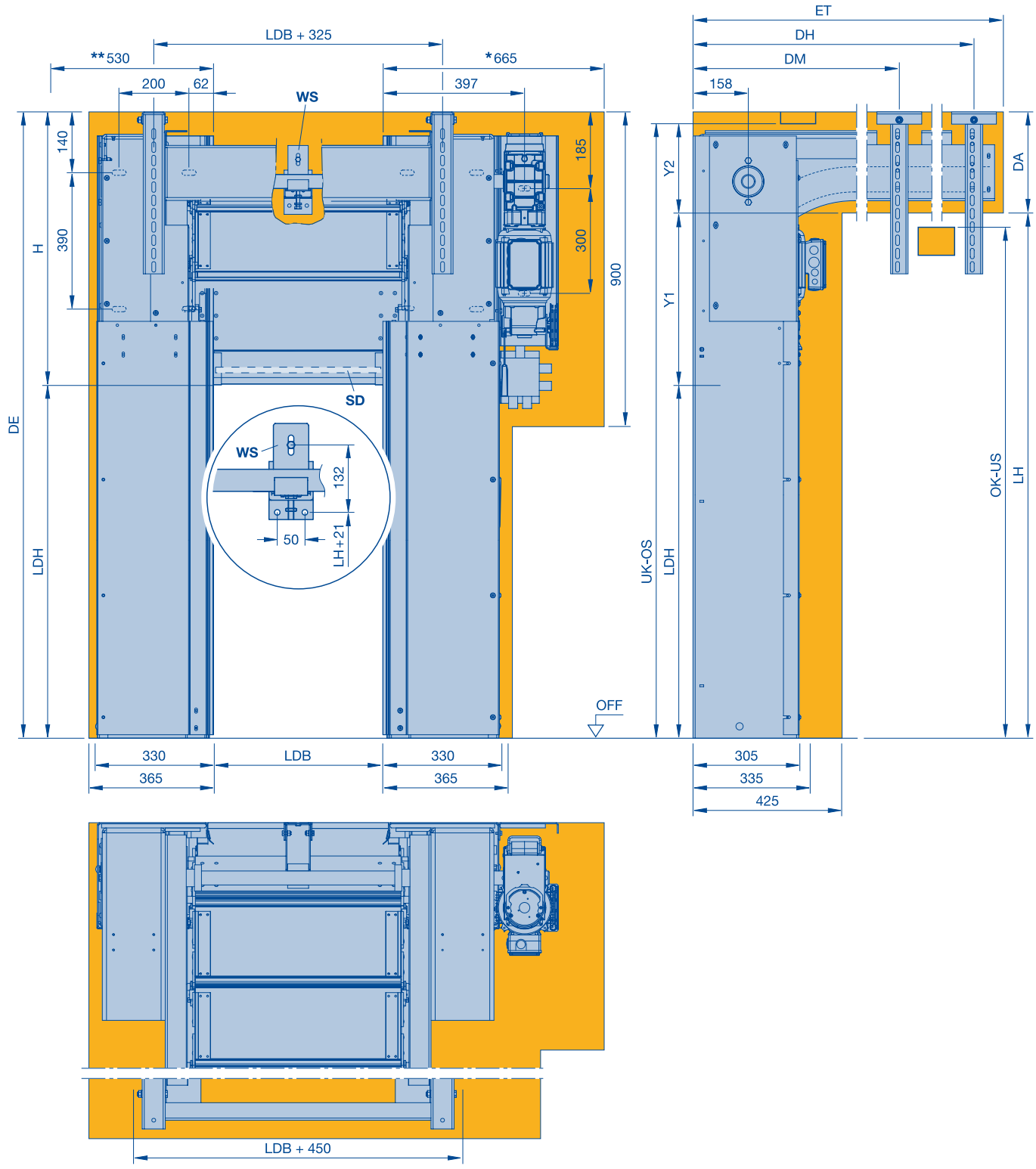


*	Space required to dismantle the operator
LDH	Clear passage height
LDB	Clear passage width
DA	Distance to ceiling DE – LDH – H + Y2
DE	Ceiling height DA + LDH + H – Y2
DM	Centre ceiling anchor (960)
DH	Rear ceiling anchor ET – 120 (ET > 1250)
ET	Distance back 2 × LDH – (LDH + H) + 1000 (min. 1250)
H	Headroom (min. 480 / max. 750)
LH	Track height LDH + H – Y2 (min. LDH + Y1)
OFF	Finished floor level
OK-US	Top edge, bottom interference contour
UK-OS	Bottom edge, top interference contour
SD	Lintel seal (fixing on request)
WS	Shaft support (LDB > 3500) 1 unit in centre (LDB > 5000) 2 units equally distributed
Y1	LDH < 2500 = 170, LDH ≥ 2500 = 225
Y2	LDH < 2500 = 310, LDH ≥ 2500 = 255

All dimensions in mm

Door with Fixed Door Leaf HS 5015 PU H

With PU insulating panels

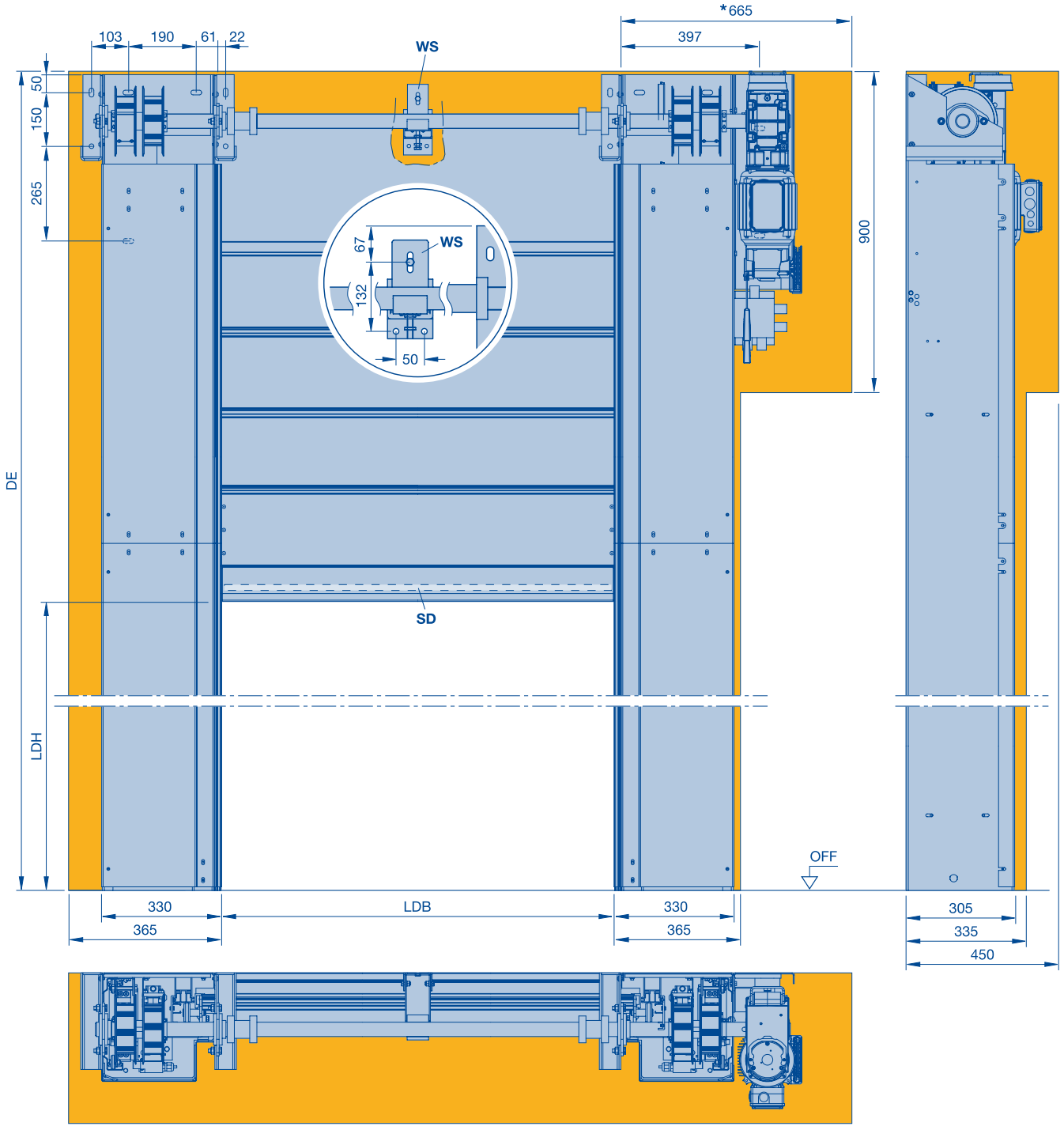


*	Space required to dismantle the operator
LDH	Clear passage height
LDB	Clear passage width
DA	Distance to ceiling DE – LDH – H + Y2
DE	Ceiling height DA + LDH + H – Y2
DM	Centre ceiling anchor (960)
DH	Rear ceiling anchor ET – 120 (ET > 1250)
ET	Distance back 2 × LDH – (LDH + H) + 1000 (min. 1250)
H	Headroom (min. 750)
LH	Track height LH: LDH + H – Y2 (min. LDH + Y1)
OFF	Finished floor level
SD	Lintel seal (fixing on request)
OK-US	Top edge, bottom interference contour
UK-OS	Bottom edge, top interference contour
WS	Shaft support (LDB > 3500) 1 unit in centre (LDB > 5000) 2 units equally distributed
Y1	LDH < 2500 = 440, LDH ≥ 2500 = 495
Y2	LDH < 2500 = 310, LDH ≥ 2500 = 255

All dimensions in mm

Door with Fixed Door Leaf HS 6015 PU V

With PU insulating panels



* Space required to dismantle the operator
LDH Clear passage height
LDB Clear passage width

DE Ceiling height (min. (2 × LDH) + 585)
OFF Finished floor level
SD Lintel seal (fixing on request)

WS Shaft support
(LDB > 3500) 1 unit in centre
(LDB > 5000) 2 units equally distributed
All dimensions in mm

Notes

High-Speed External Door

Technical data

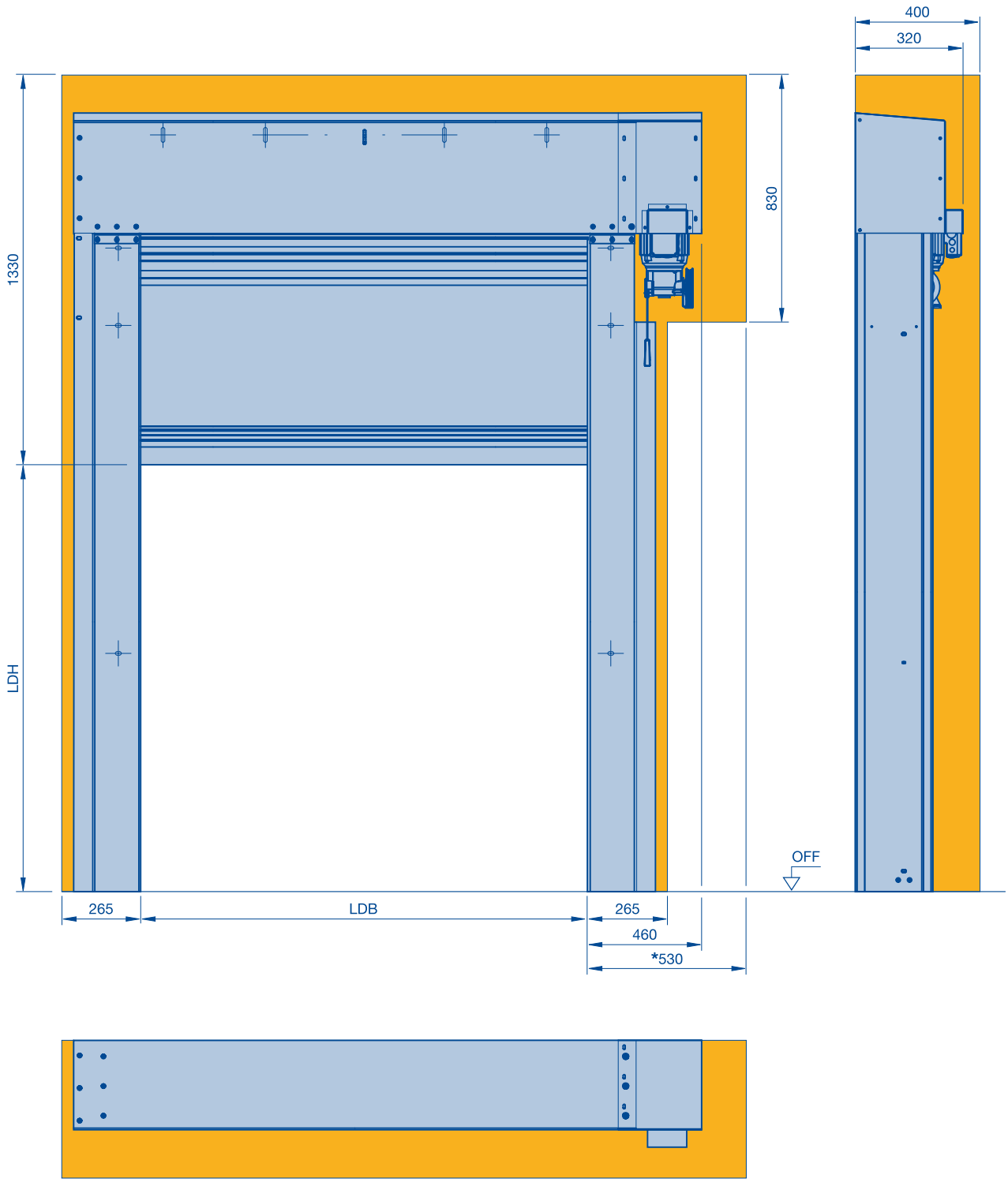
Use	Internal door / external door	
Speed	FU control (3-phase) LDB > 6000 mm	Max. opening speed, approx. m/sec.
	FU control (1-phase) Max. LDB × LDH (6000 × 6000 mm)	Max. opening speed, approx. m/sec.
	Relay control unit (3-phase)	Max. opening speed, approx. m/sec.
	Relay control unit	Max. closing speed, approx. m/sec.
Safety equipment	DIN EN 13241	
Resistance to wind load	DIN EN 12424	LDB > 6000 mm
Resistance to water penetration	DIN EN 12425	
Air permeability	DIN EN 12426	
Transmission of heat	DIN EN 12428	
Acoustic insulation	DIN EN 52210 dB	
Curtain stabilisation / wind lock	Aluminium / spring steel	
Door sizes	Max. width LDB	
	Max. height LDH	
Fitting dimensions (space requirement) **(See also the Technical Manual)**	Operator side	LDB + mm (with cladding)
	Bearing side	LDB + mm (with cladding)
	Lintel	LDH + mm (with curtain fixing)
		LDH + mm, straight cladding
		LDH + mm, cladding 30° (5°)
	FU control in steel cabinet (AS), 3-phase (W × H × D), ASE relay control	
	FU control in plastic cabinet (BK), 1-phase (W × H × D)	
	FU control in steel cabinet (BS), 1-phase (W × H × D)	
	FU control in steel cabinet with UPS (BS), 1-phase (W × H × D)	
	Relay control unit in steel cabinet (ASE) Relay control unit in plastic cabinet (AKE)	
Anti-crash / crash-protection	With automatic / manual start-up	
Door construction	Self-supporting	
Curtain	Fabric / transparent	1.5 (0.9) / 2.0 mm
	Transparent / fabric / transparent	4.0 (< 25 mm²) / 2.4 / 4.0 mm
Door leaf tension		
Guide material / surface	Galvanized steel	
	Galvanized steel, coated, in colours based on RAL	
	Polished stainless steel V2 A	
Shaft / operator cover	Straight	
	30° chamfered (5°)	
Operator and control	Relay control unit	
	FU control	
	Connecting voltage (3-phase)	
	Connecting voltage (1-phase)	
	Open-Stop-Close button	
	FU control, main switch, all-pole switch-off, 1-phase / 3-phase	
	Fuse protection	3-phase (contactor)
		1-phase
	Protection category	Operator, control
	Emergency-OFF button	3-phase
		1-phase
	Closing edge safety device	With energy chain
	Closing zone monitoring	Safety light grille IP 67
	External route monitoring	Photocell (internal)
		Light grille
	Door area monitoring	Radar presence detector
		Induction loop
	Hold-open phase in sec.	
	Electronic limit switch DES	
Emergency opening	Crank handle	
	Emergency hand chain	
	Counter weight / springs	
	UPS in plastic cabinet (200 × 400 × 200) for FU control 230 V, 1-phase	
Volt-free contacts / impulse generator / safety devices		

V 9015 L Stacking	V 6030 SEL	V 6020 TRL	V 10008
●	●	●	●
1.5	3.0	1.5	(0.8) / 1.5
1.0	2.0	1.5	1.5
0.6	–	–	–
0.8 / (0.6)	0.8	0.5	0.4
●	●	●	●
Class (2) / 3	Class 2	Class 2	Class (2) / 3
Class 0	Class 0	Class 0	Class 0
Class 0	Class 0	Class 0	Class 0
–	–	–	–
–	–	–	–
● / –	– / ●	– / ●	– / ●
9000	5000	6000	10000
6000	6000	7000	6250
420 (460)	460 (505)	420 (470)	545 (580)
265 (265)	335 (355)	300 (300)	390 (390)
– (–)	540 (615)	680 (760)	– (745)
–	590	720	–
1330	730	800	(840)
400 × 600 × 200	400 × 600 × 200	400 × 600 × 200	400 × 600 × 200
200 × 400 × 200	200 × 400 × 200	200 × 400 × 200	–
–	300 × 400 × 150	300 × 400 × 150	–
–	400 × 600 × 200	400 × 600 × 200	–
300 × 400 × 150 182 × 320 × 93	–	–	–
–	Crash-protection	–	–
●	●	●	–
(●)	●	–	●
– / –	– / –	● / ○	– / –
–	●	●	●
●	●	●	●
○	○	○	○
○	○	○	–
–	○	○	–
(●)	○	○	(○)
●	○	○	○
○	●	●	●
3 – 400 V, N, PE	3 – 400 V, N, PE	3 – 400 V, N, PE	3 – 400 V, N, PE
1 – 230 V, N, PE	1 – 230 V, N, PE	1 – 230 V, N, PE	–
●	●	●	●
○ / ●	○ / ●	○ / ●	– / ●
20 A (10A), slow-acting	20 A, slow-acting	20 A, slow-acting	20 A, slow-acting
16 A, slow-acting	16 A, slow-acting	16 A, slow-acting	16 A, slow-acting
IP 54	IP 54	IP 54	IP 54
●	●	●	●
○	○	○	○
–	–	–	●
●	●	●	–
○	○	○	(●)
○	○	○	○
○	○	○	○
○	○	○	○
1 – 200	1 – 200	1 – 200	1 – 200
●	●	●	●
●	●	●	–
○	○	○	●
– / –	○ / –	– / –	– / –
○	○	○	–
○ / ○ / ○	○ / ○ / ○	○ / ○ / ○	○ / ○ / ○

● Standard ○ Optional

High-Speed External Door V 9015 L Stacking

With folding curtain and belt system

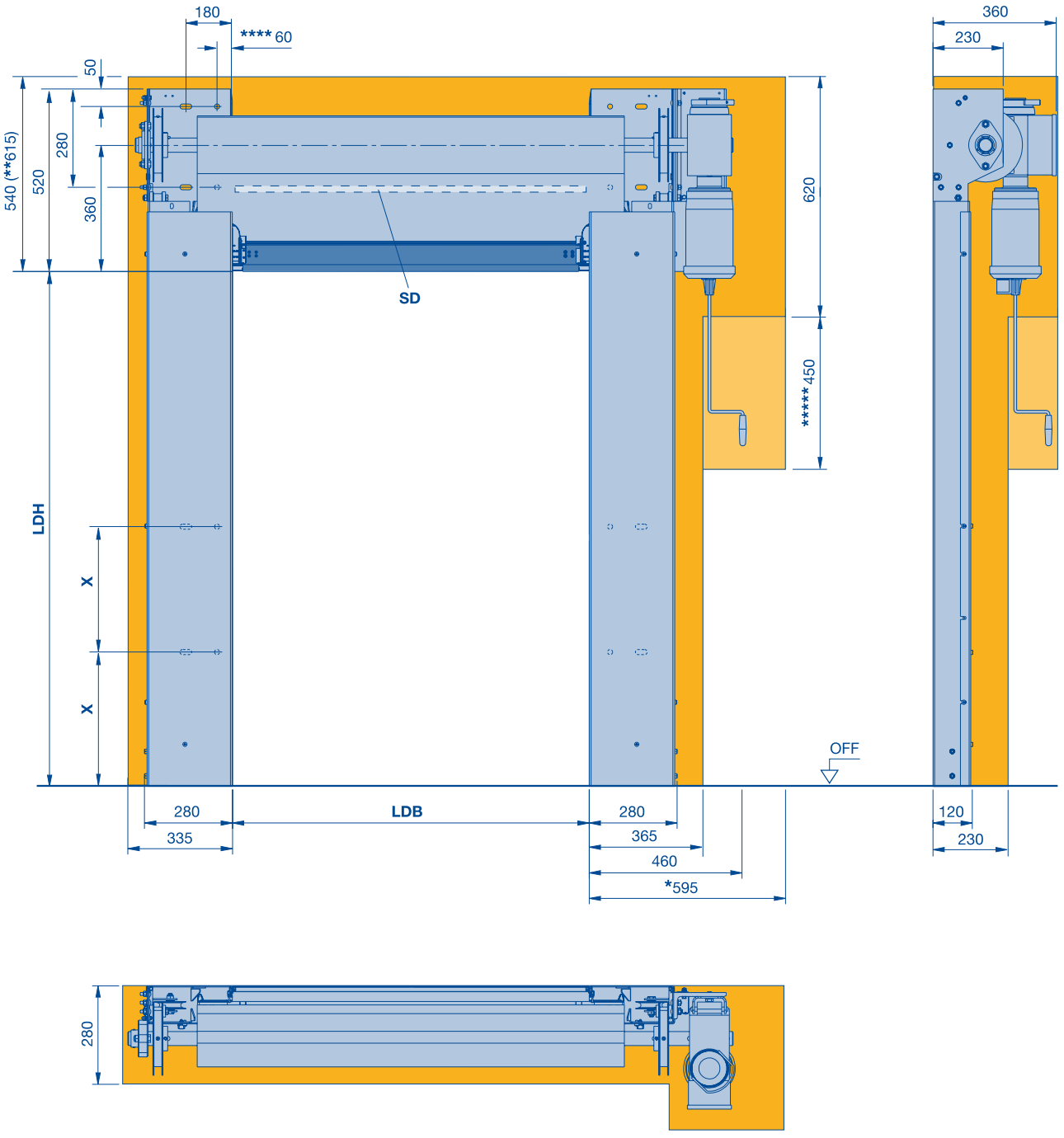


* Space required to dismantle the operator
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

High-Speed External Door V 6030 SEL

With SoftEdge and anti-crash

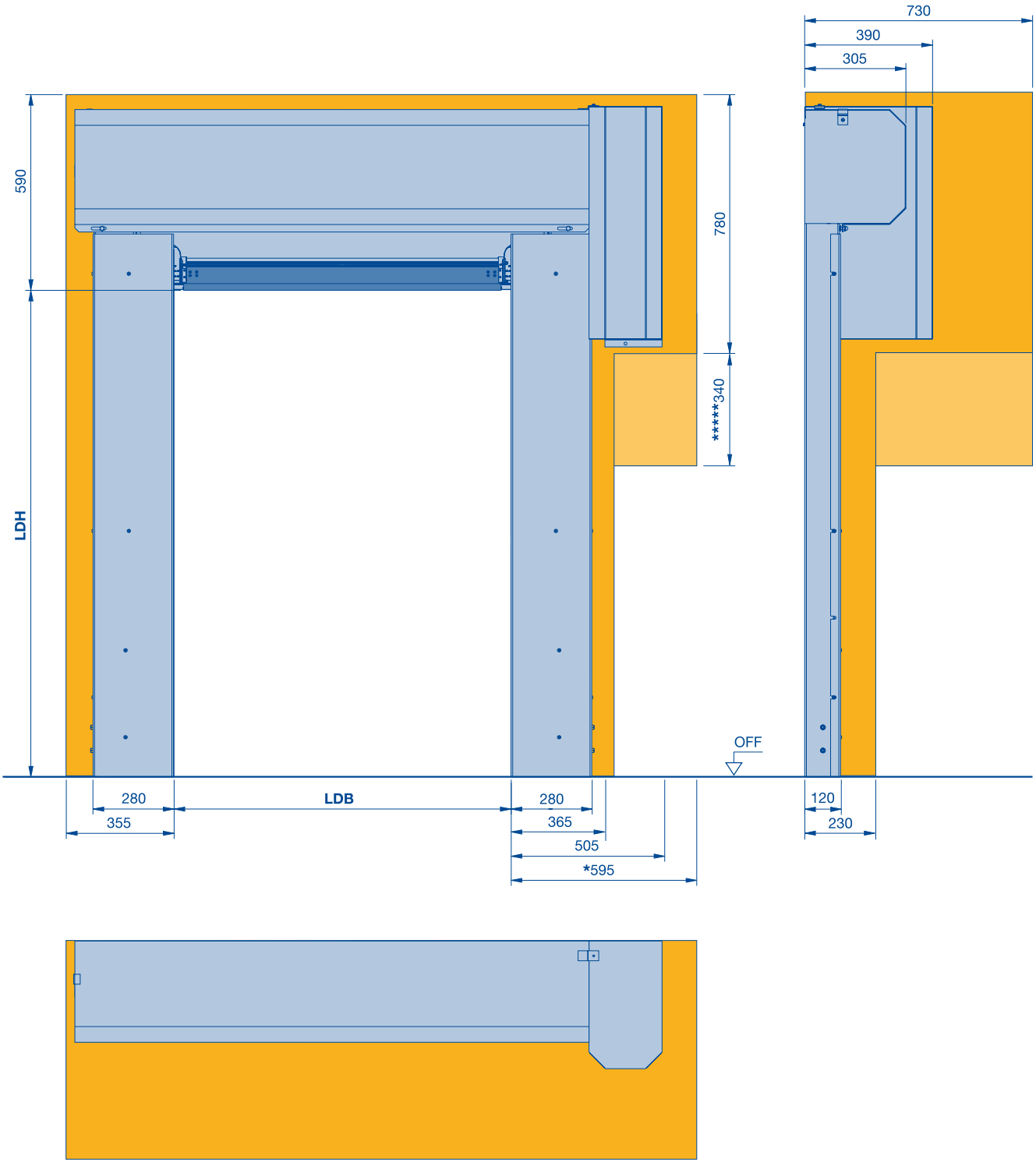


*	Space required to dismantle the operator	**X**	Order-related	**OFF**	Finished floor level
**	With curtain fixing	**LDH**	Clear passage height		
****	Only if fitted to steel	**LDB**	Clear passage width		
*****	For emergency crank handle	**SD**	Lintel seal (LDH + 270)		All dimensions in mm

High-Speed External Door V 6030 SEL

With SoftEdge and anti-crash

Full cladding, straight



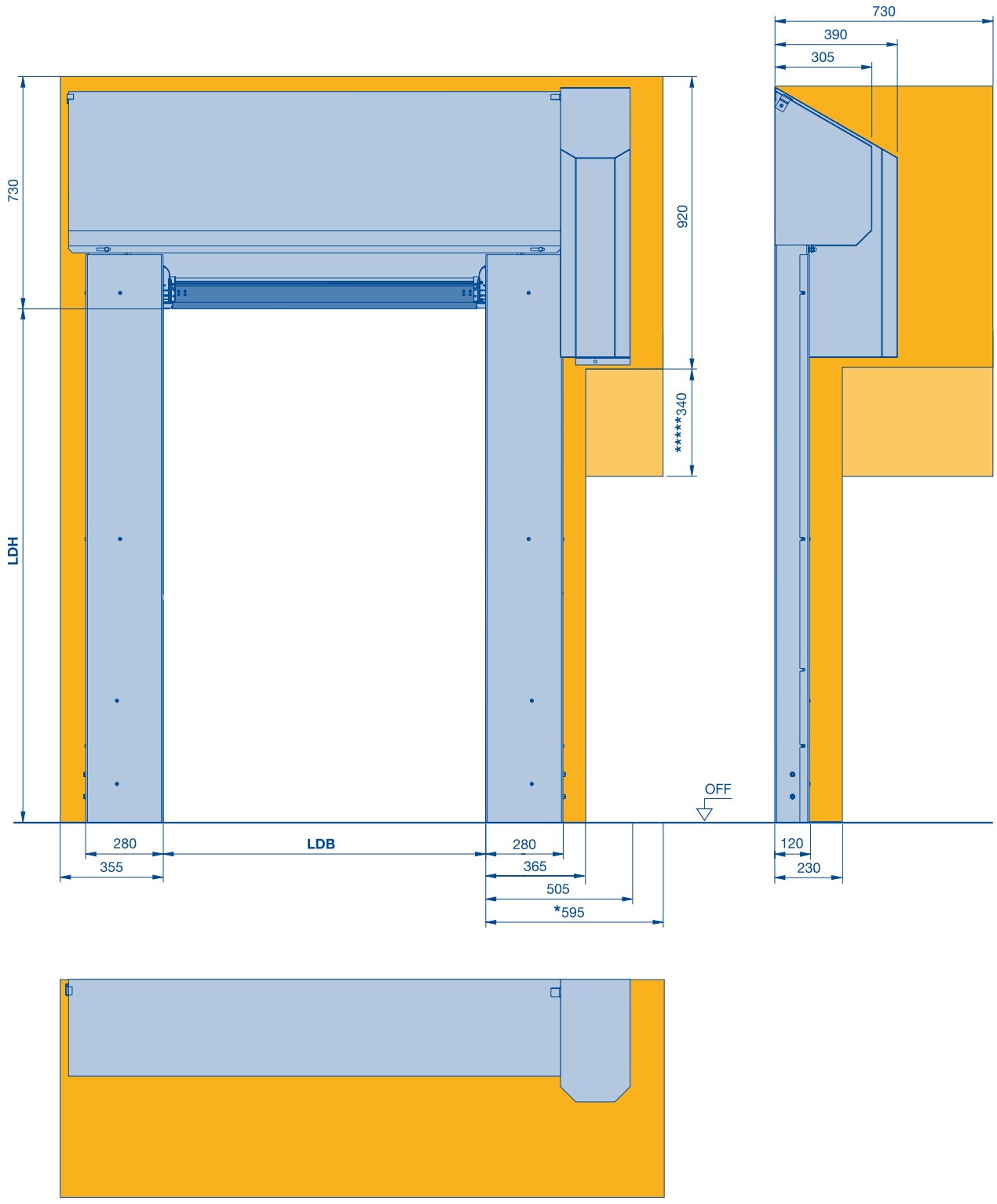
* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

High-Speed External Door V 6030 SEL

With SoftEdge and anti-crash

Full cladding, chamfered

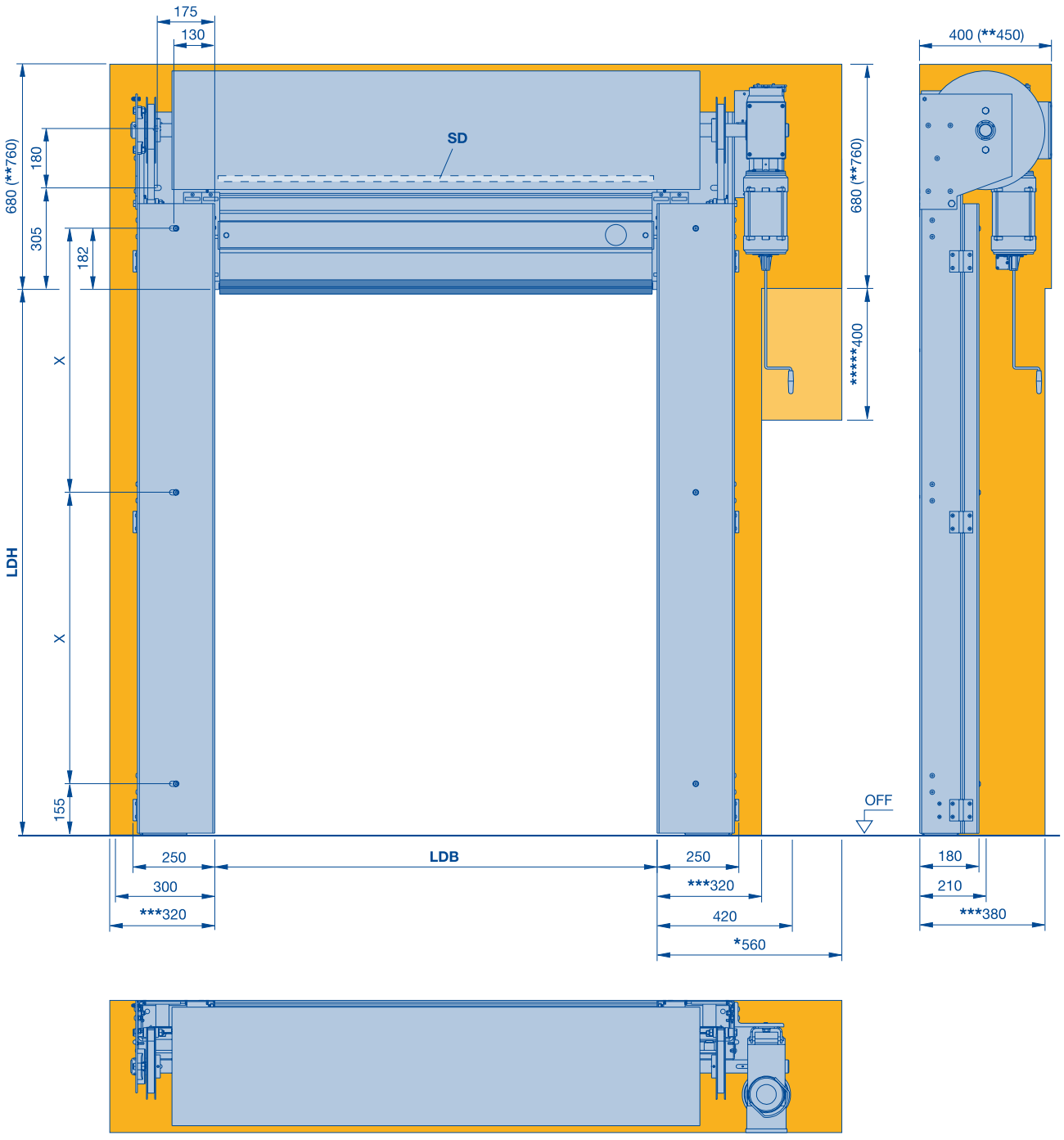


* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

High-Speed External Door V 6020 TRL

Fully transparent



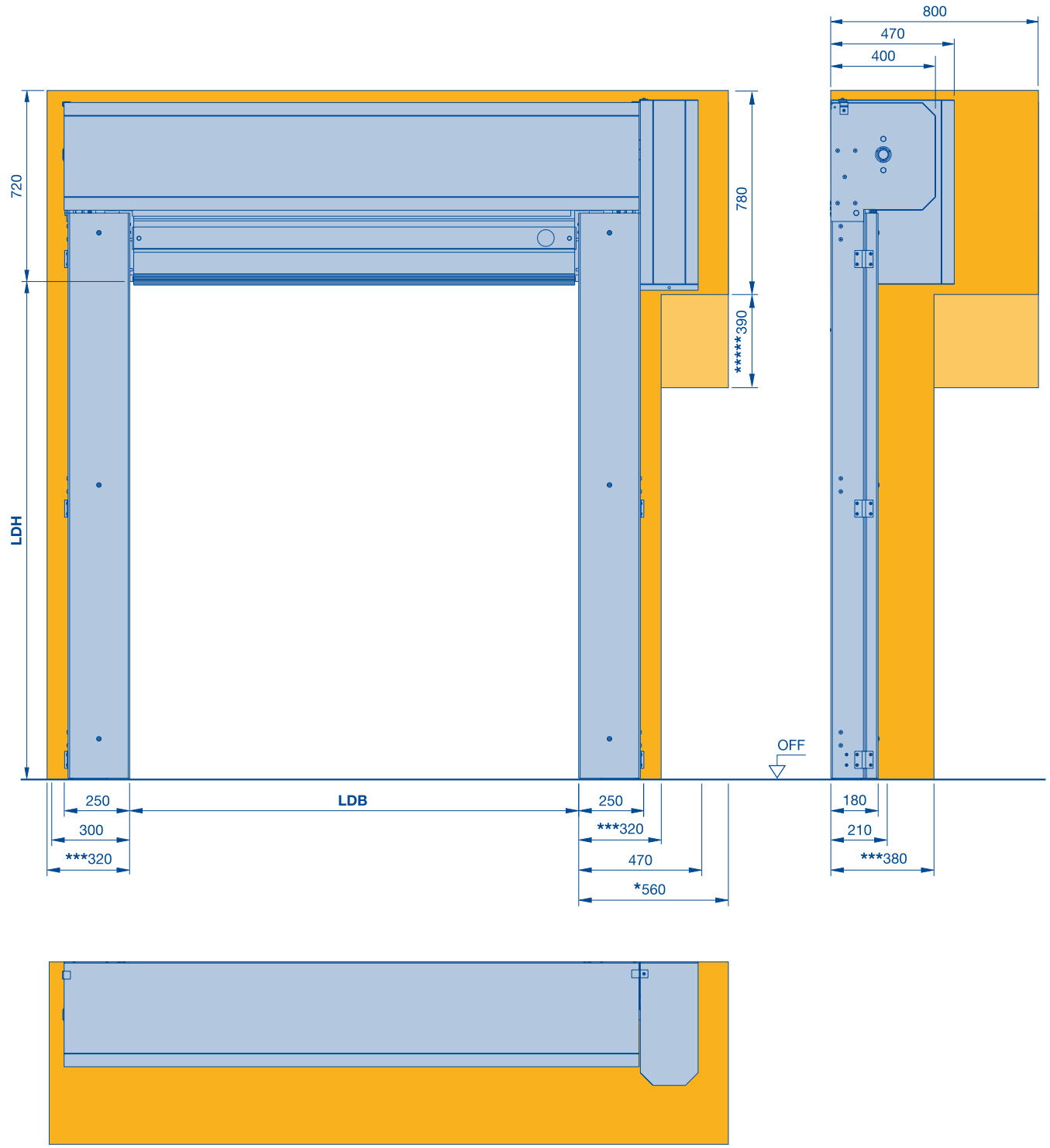
* Space required to dismantle the operator
** Space requirement for fitting curtain fixing
*** Space requirement for swivelling range of cover
***** For emergency crank handle
X Order-related
LDH Clear passage height
LDB Clear passage width
SD Lintel seal (LDH + 320 mm)
OFF Finished floor level

All dimensions in mm

High-Speed External Door V 6020 TRL

Fully transparent

Full cladding, straight



* Space required to dismantle the operator
*** Space requirement for swivelling range of cover
***** For emergency crank handle

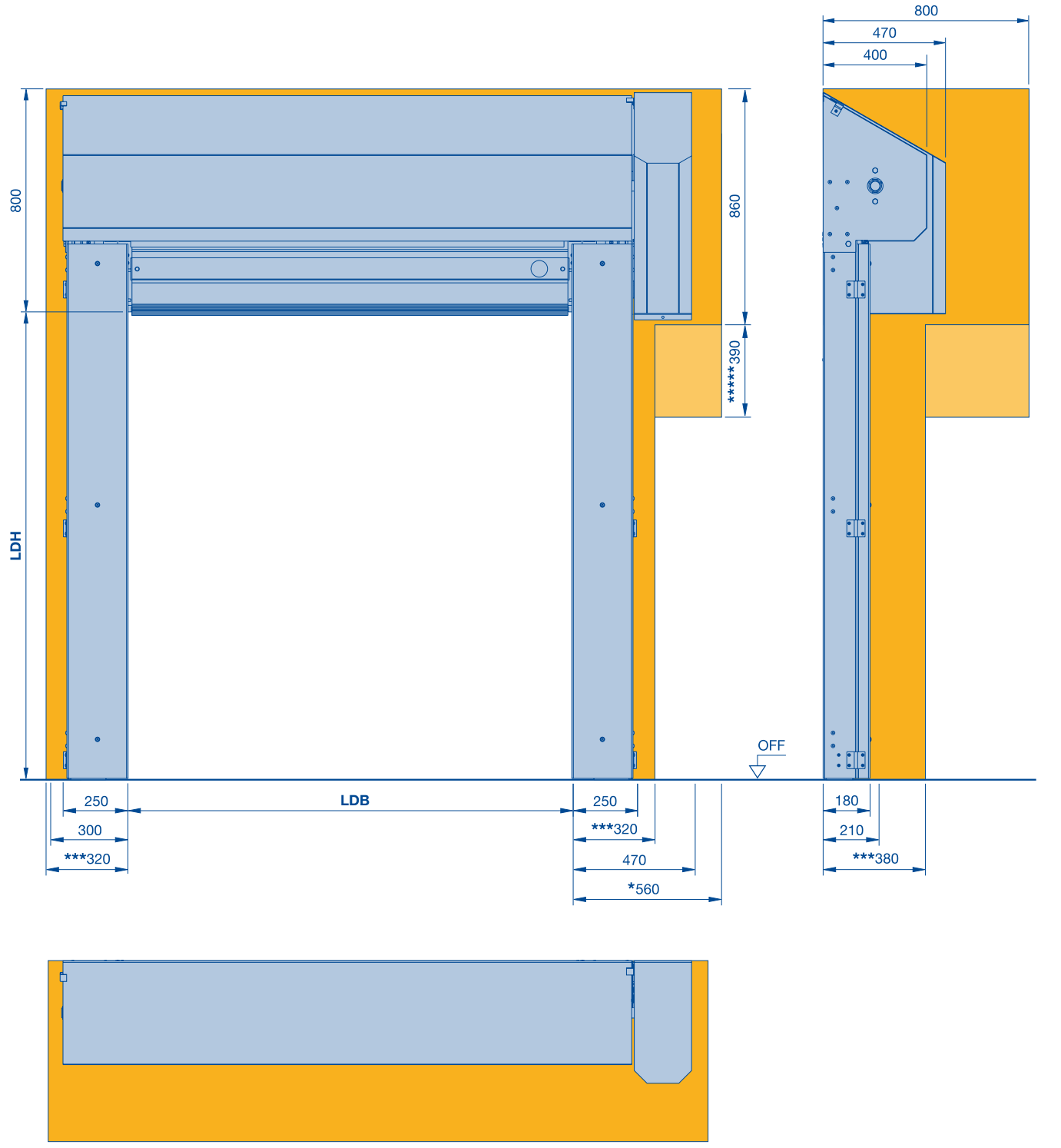
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

High-Speed External Door V 6020 TRL

Fully transparent

Full cladding, chamfered



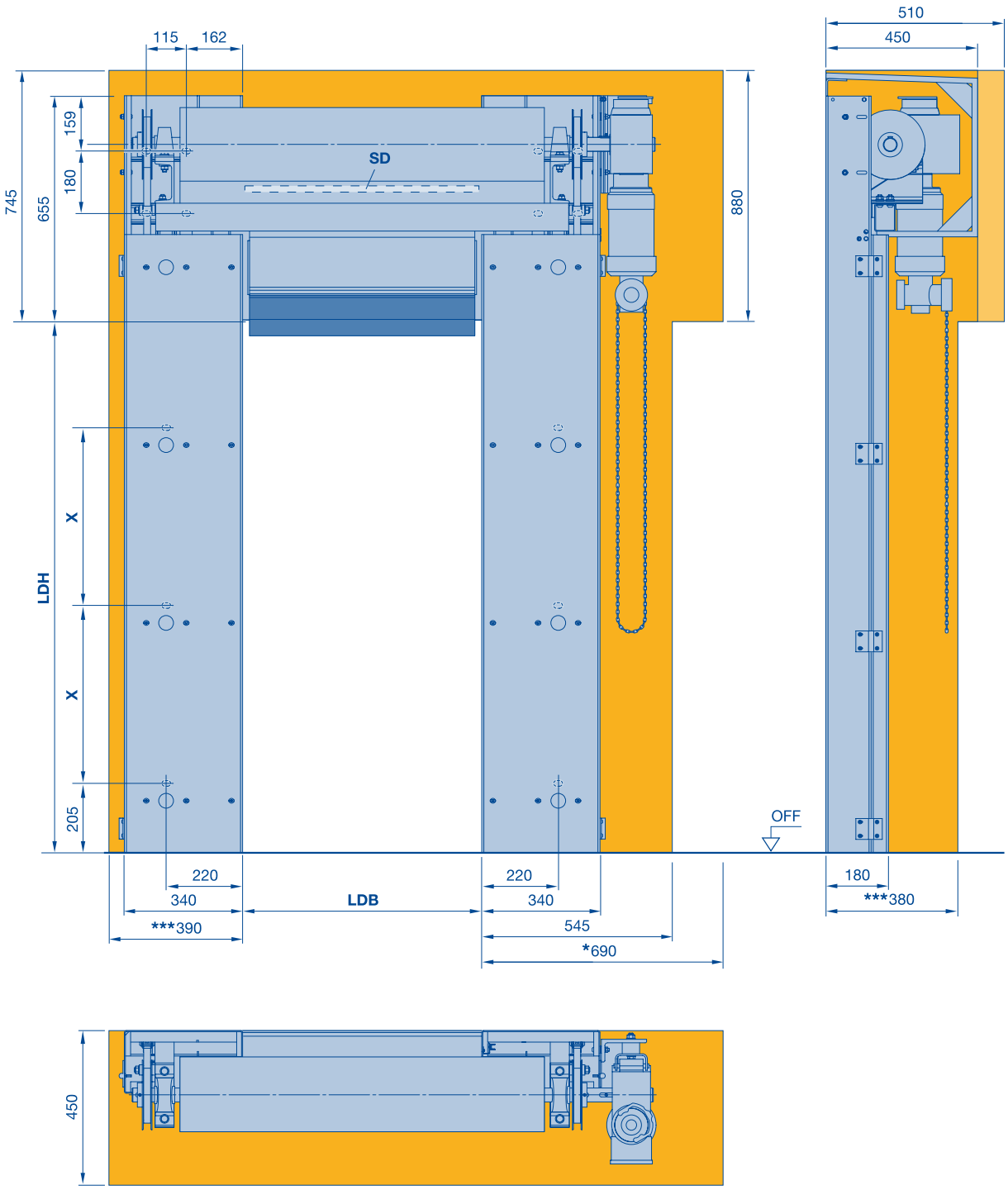
* Space required to dismantle the operator
*** Space requirement for swivelling range of cover
***** For emergency crank handle

LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

High-Speed External Door V 10008

Large door



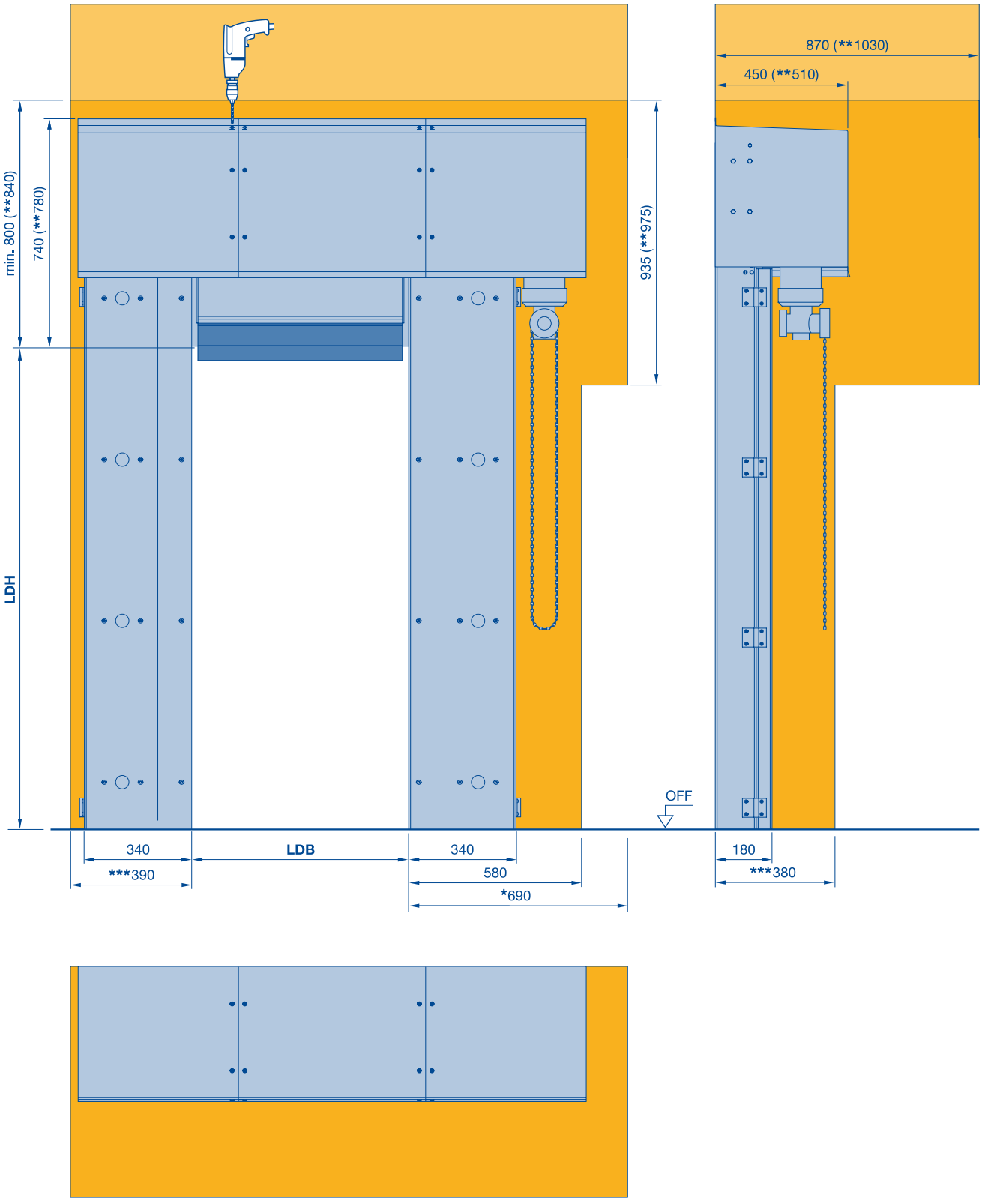
*	Space required to dismantle the operator	**LDB**	Clear passage width
***	Space requirement for swivelling range of cover	**SD**	Lintel seal (LDH + 34 mm)
X	Order-related	**OFF**	Finished floor level
LDH	Clear passage height		

All dimensions in mm

High-Speed External Door V 10008

Large door

Full cladding



* Space required to dismantle the operator
** (LB > 7300 mm) or (LDH > 6500 mm)
*** Space requirement for swivelling range of cover

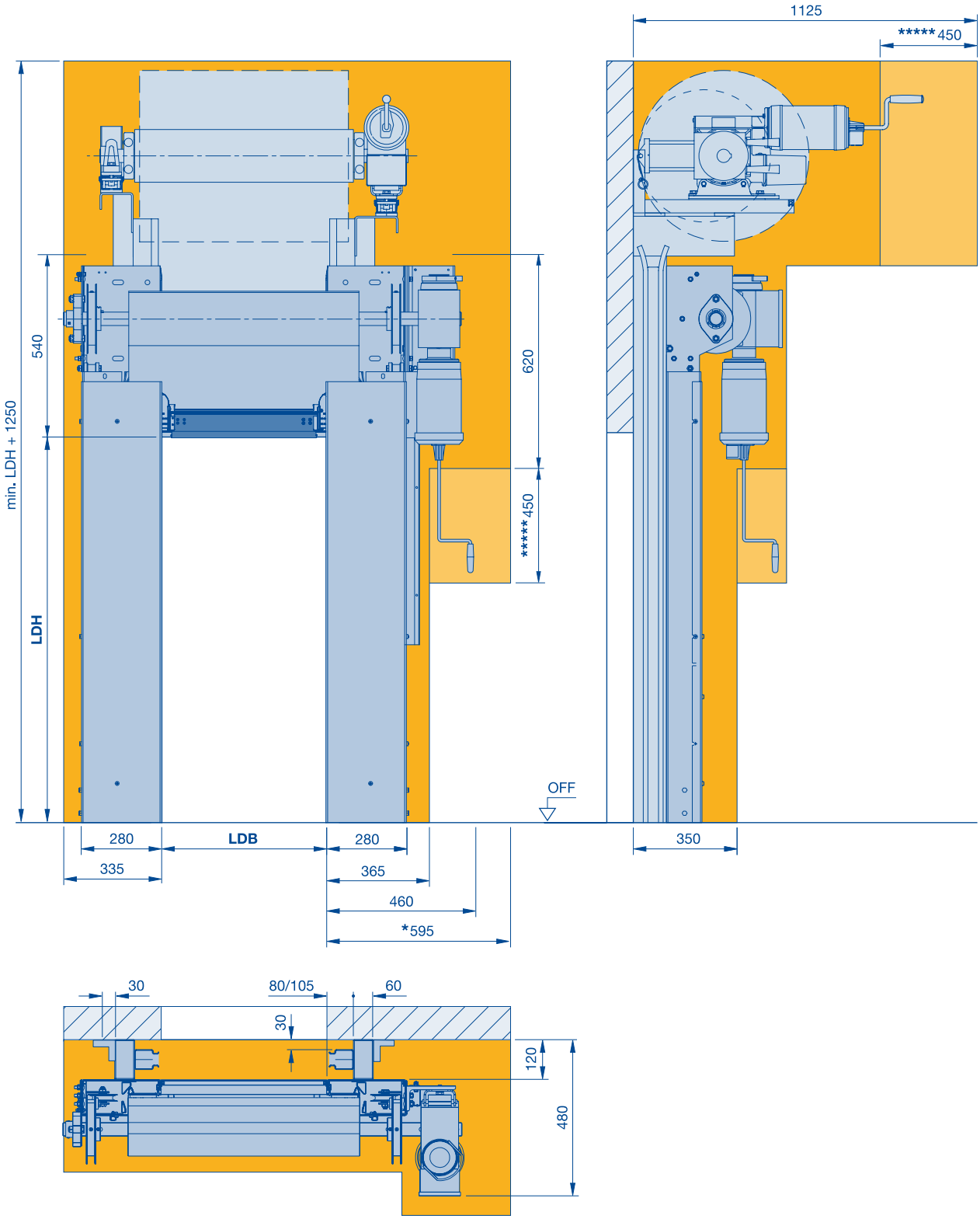
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Rolling Shutter and Vertical High-Speed Door

Door combination

Rolling shutter Decotherm® (HR 116, HR 120) with direct drive operator and ZAK® system, vertical high-speed door V 6030 SEL



* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

High-Speed Internal Doors

Technical data

Use	Internal door	
	External door	
Speed	FU control (3-phase)	Max. opening speed, approx. m/sec.
	FU control (1-phase)	Max. opening speed, approx. m/sec.
		Max. closing speed, approx. m/sec.
Safety equipment	DIN EN 13241	
Resistance to wind load	DIN EN 12424	
Resistance to water penetration	DIN EN 12425	
Air permeability	DIN EN 12426	
Transmission of heat	DIN EN 12428	
Acoustic insulation	DIN EN 52210 dB	
Curtain stabilisation / wind lock	Aluminium / spring steel	
Door sizes	Max. width LDB	
	Max. height LDH	
Fitting dimensions (space requirement) See also the fitting data	Operator side	LDB + mm (with cladding)
	Bearing side	LDB + mm (with cladding)
	Lintel	LDH + mm
		LDH + mm, straight cladding
		LDH + mm, cladding 30° (5°)
	FU control in steel cabinet (AS), 3-phase (W × H × D)	
	FU control in plastic cabinet (BK), 1-phase (W × H × D)	
	FU control in steel cabinet (BS), 1-phase (W × H × D)	
	FU control in steel cabinet with UPS (BS), 1-phase (W × H × D)	
Anti-crash / crash-protection	With automatic / manual start-up	
Door construction	Self-supporting	
Curtain	Fabric / transparent	1.5 / 2.0 mm
	Transparent	4.0 mm
Door leaf tension		
Guide material / surface	Galvanized steel	
	Galvanized steel, coated, in colours based on RAL	
	Polished stainless steel V2 A	
Shaft / operator cover	Straight	
	30° chamfered (5°)	
Operator and control	FU control	
	Connecting voltage	3-phase
		1-phase
	Open-Stop-Close button	
	FU control, main switch, all-pole switch-off, 1-phase / 3-phase	
	Fuse protection	3-phase
		1-phase
	Protection category	Operator, control
	Emergency-OFF button	3-phase
		1-phase
	Closing edge safety device	With energy chain
	Closing zone monitoring	Safety light grille IP 67
	External route monitoring	Photocell
		Light grille
	Door area monitoring	Radar presence detector
		Induction loop
	Hold-open phase in sec.	
	Electronic limit switch DES	
Emergency opening	Crank handle	
	Emergency hand chain	
	Counter weight / springs	
	UPS in plastic cabinet (200 × 400 × 200) for FU control 230 V, 1-phase	
Volt-free contacts / impulse generator / safety devices		

V 4015 SEL R	V 5015 SEL	V 5030 SEL
●	●	●
–	–	Wind protected **1)**
–	–	3.0
1.2	1.5	2.0
0.8	0.8	0.8
●	●	●
Class 0	Class 0	Class 0 / 1 with aluminium bottom profile
Class 0	Class 0	Class 0
Class 0	Class 0	Class 0
–	–	–
–	–	–
● / –	● / –	– / ●
4000 **2)**	5000	5000
4000 **2)**	5000	5000
– (225)	345 (375)	385 (425)
– (225)	175 (175)	255 (290)
–	440	440 / 520 **1)**
485	490	490 / 570 **1)**
–	630	630 / 710 **1)**
–	–	400 × 600 × 200
200 × 400 × 200	200 × 400 × 200	200 × 400 × 200
300 × 400 × 150	300 × 400 × 150	300 × 400 × 150
400 × 600 × 200	400 × 600 × 200	400 × 600 × 200
Crash-protection	Anti-crash	Anti-crash
●	●	●
●	●	●
–	–	–
–	–	–
●	●	●
○	○	○
○	○	○
○	○	○
○	○	○
●	●	●
–	–	3 – 400 V, N, PE
1 – 230 V, N, PE	1 – 230 V, N, PE	1 – 230 V, N, PE
●	●	●
○ / –	○ / –	○ / ●
–	–	20 A, slow-acting
16 A, slow-acting	16 A, slow-acting	16 A, slow-acting
IP 54	IP 54	IP 54
○	○	○
–	–	●
○	○	○
●	●	●
○	○	○
○	○	○
○	○	○
○	○	○
1 – 200	1 – 200	1 – 200
●	●	●
●	●	●
–	–	–
– / –	– / –	– / –
○	○	○
○ / ○ / ○	○ / ○ / ○	○ / ○ / ○

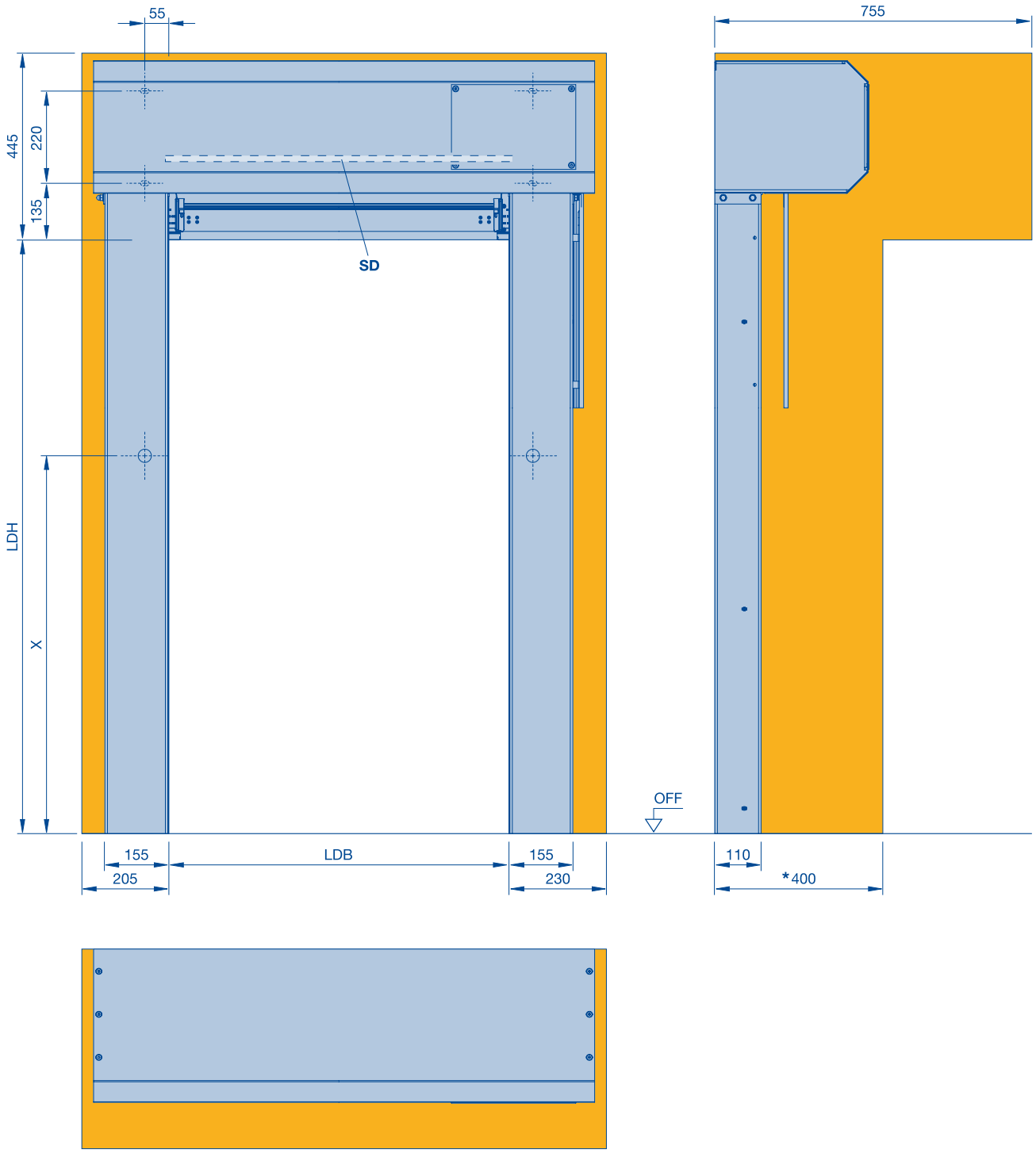
● Standard
○ Optional

1) Optional with aluminium bottom profile

2) The total dimensions are not currently possible!

High-Speed Internal Door V 4015 SEL R

With tubular drive



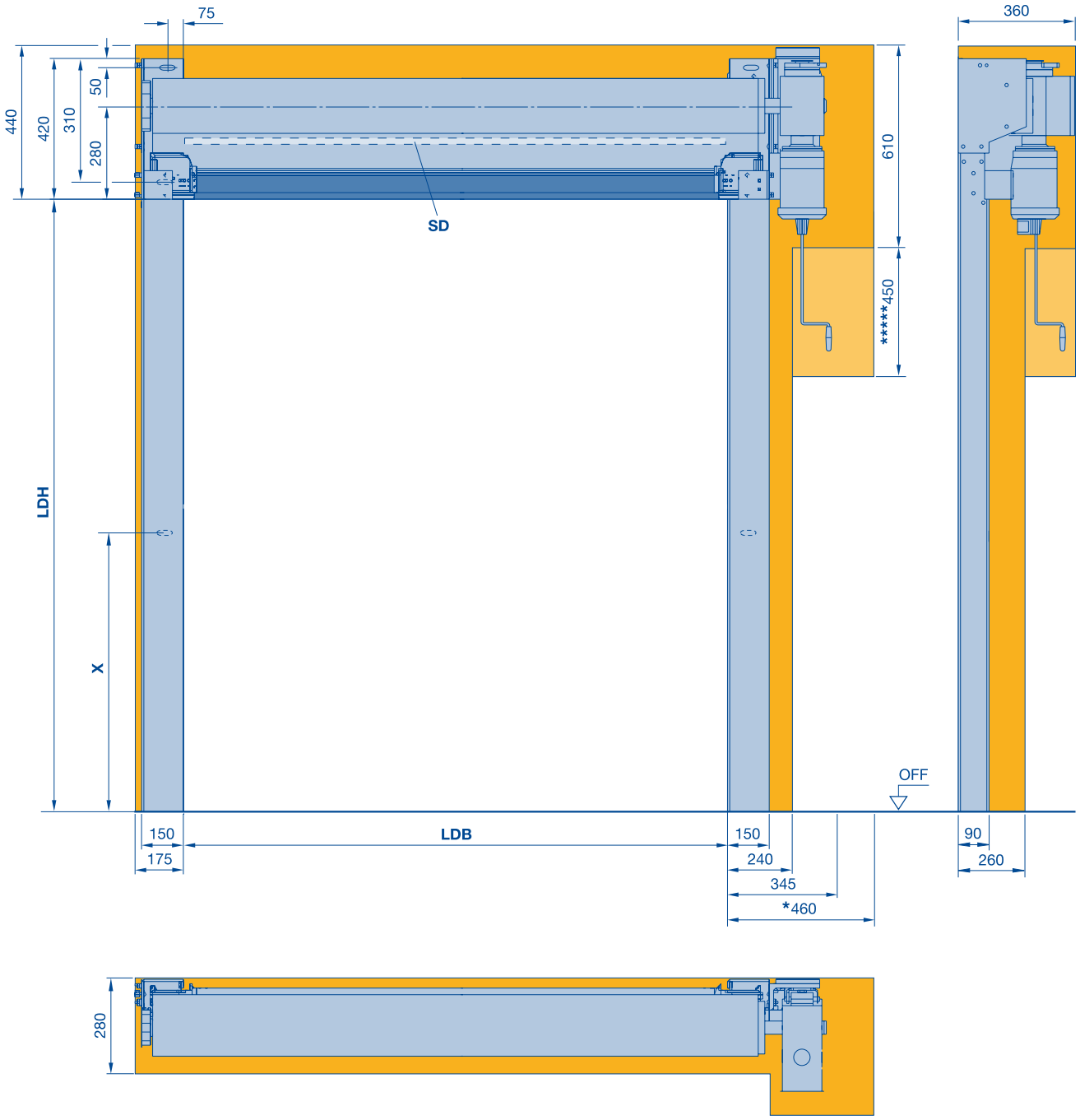
X Order-related
LDH Clear passage height
LDB Clear passage width

SD Lintel seal (LDH + 190 mm)
OFF Finished floor level

All dimensions in mm

High-Speed Internal Door V 5015 SEL

With SoftEdge and anti-crash



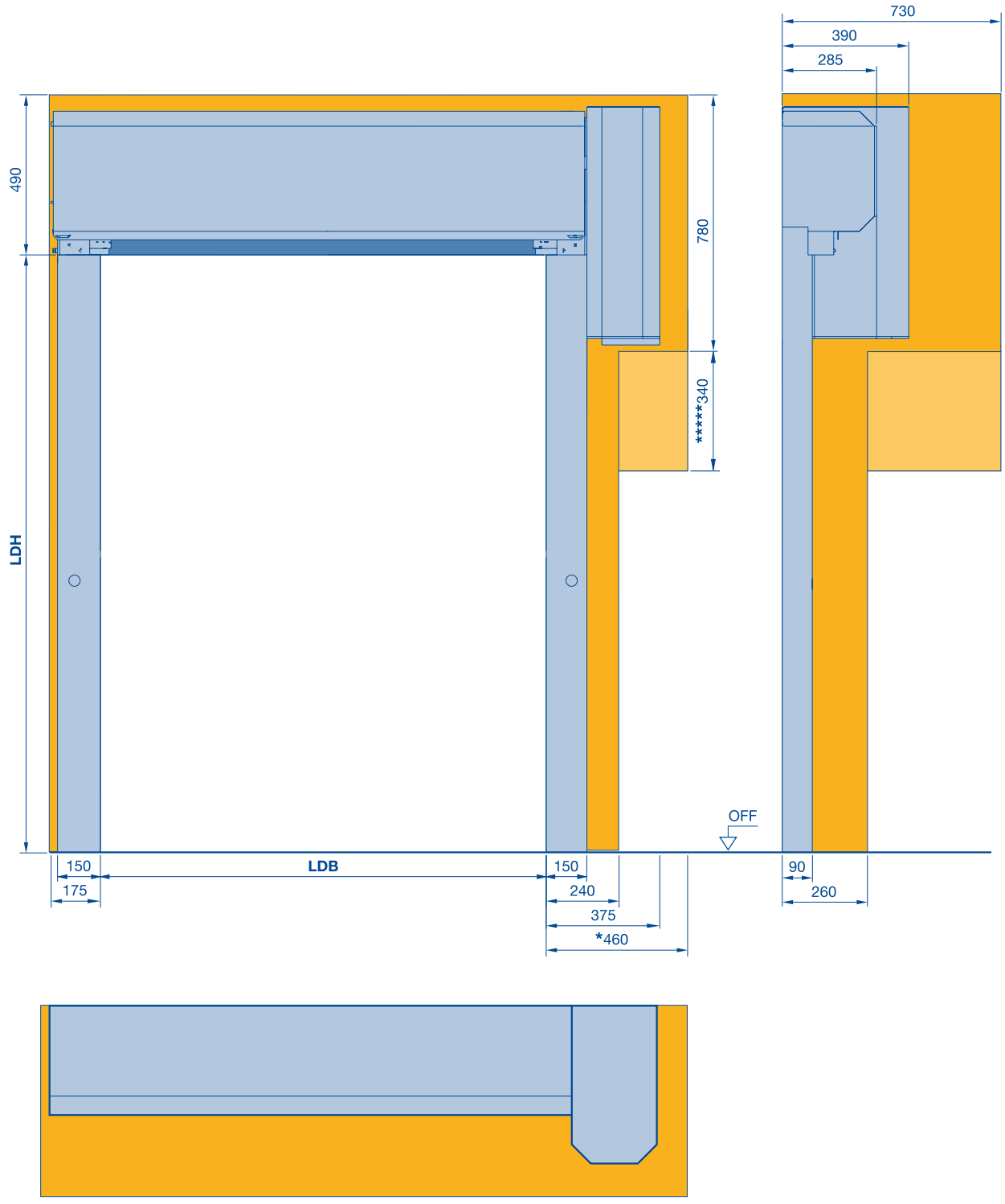
* Space required to dismantle the operator
***** For emergency crank handle
X Order-related
LDH Clear passage height
LDB Clear passage width
SD Lintel seal (LDH + 170 mm)
OFF Finished floor level

All dimensions in mm

High-Speed Internal Door V 5015 SEL

With SoftEdge and anti-crash

Full cladding, straight



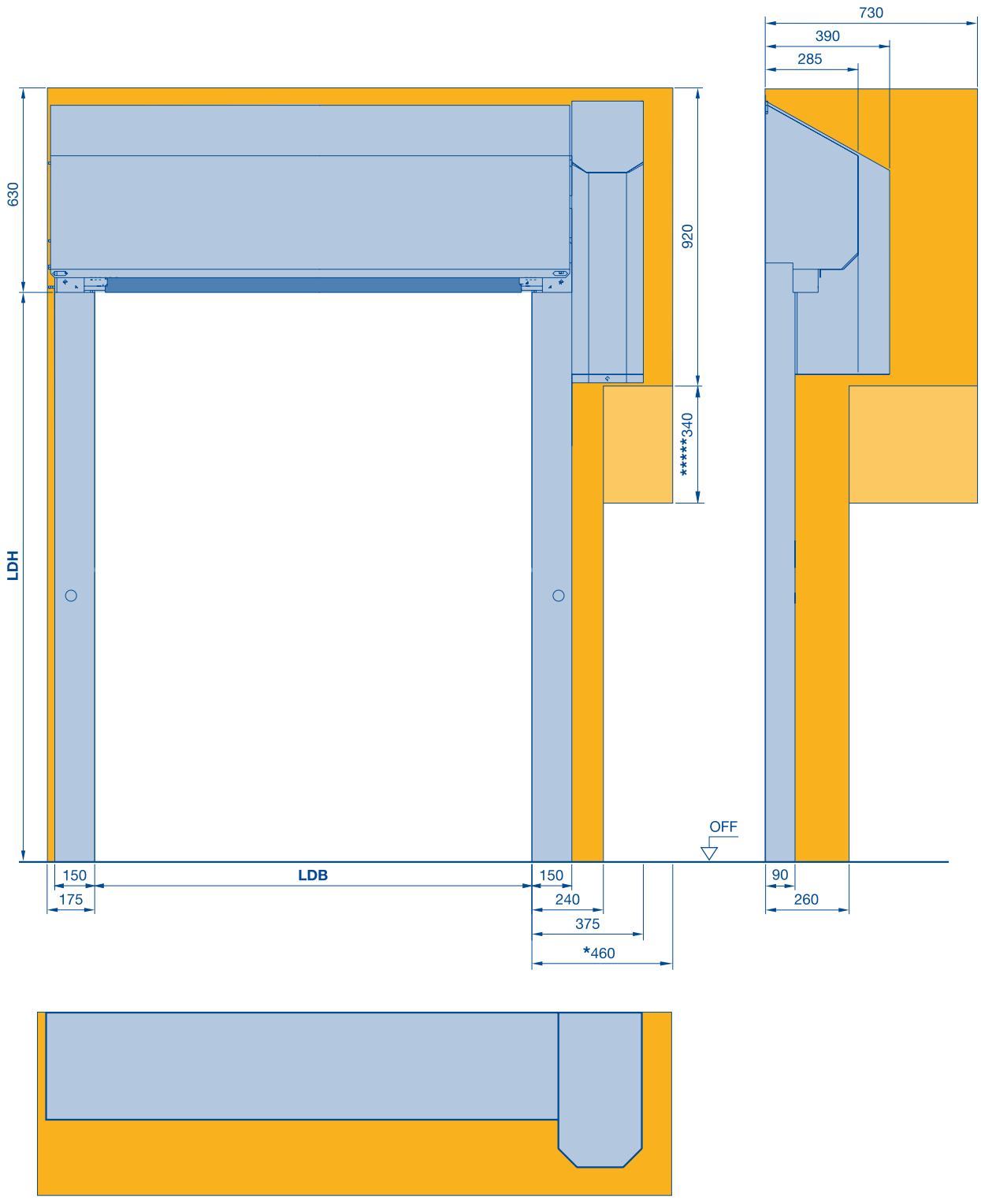
* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

High-Speed Internal Door V 5015 SEL

With SoftEdge and anti-crash

Full cladding, chamfered

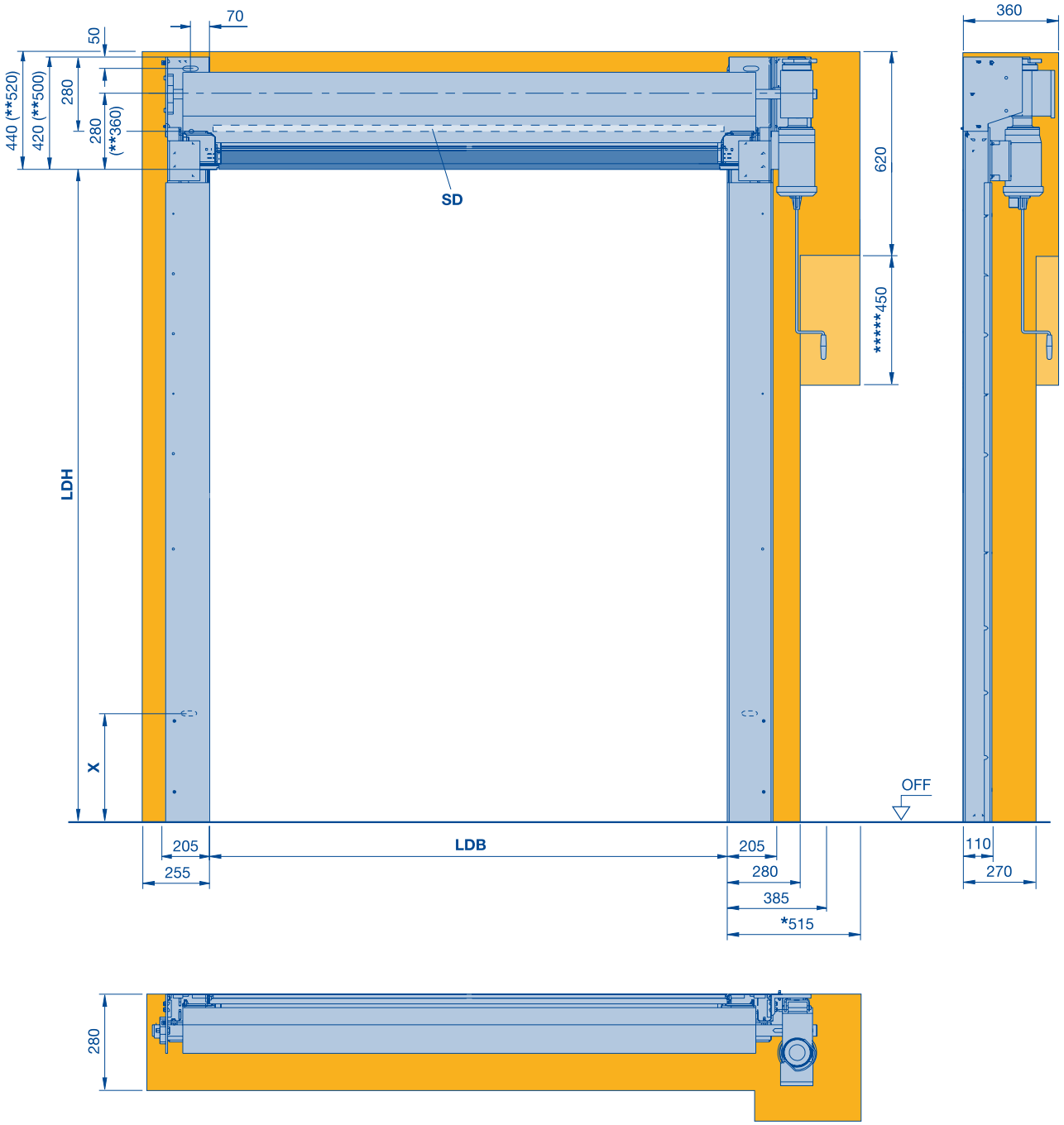


* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

High-Speed Internal Door V 5030 SEL

With SoftEdge and anti-crash

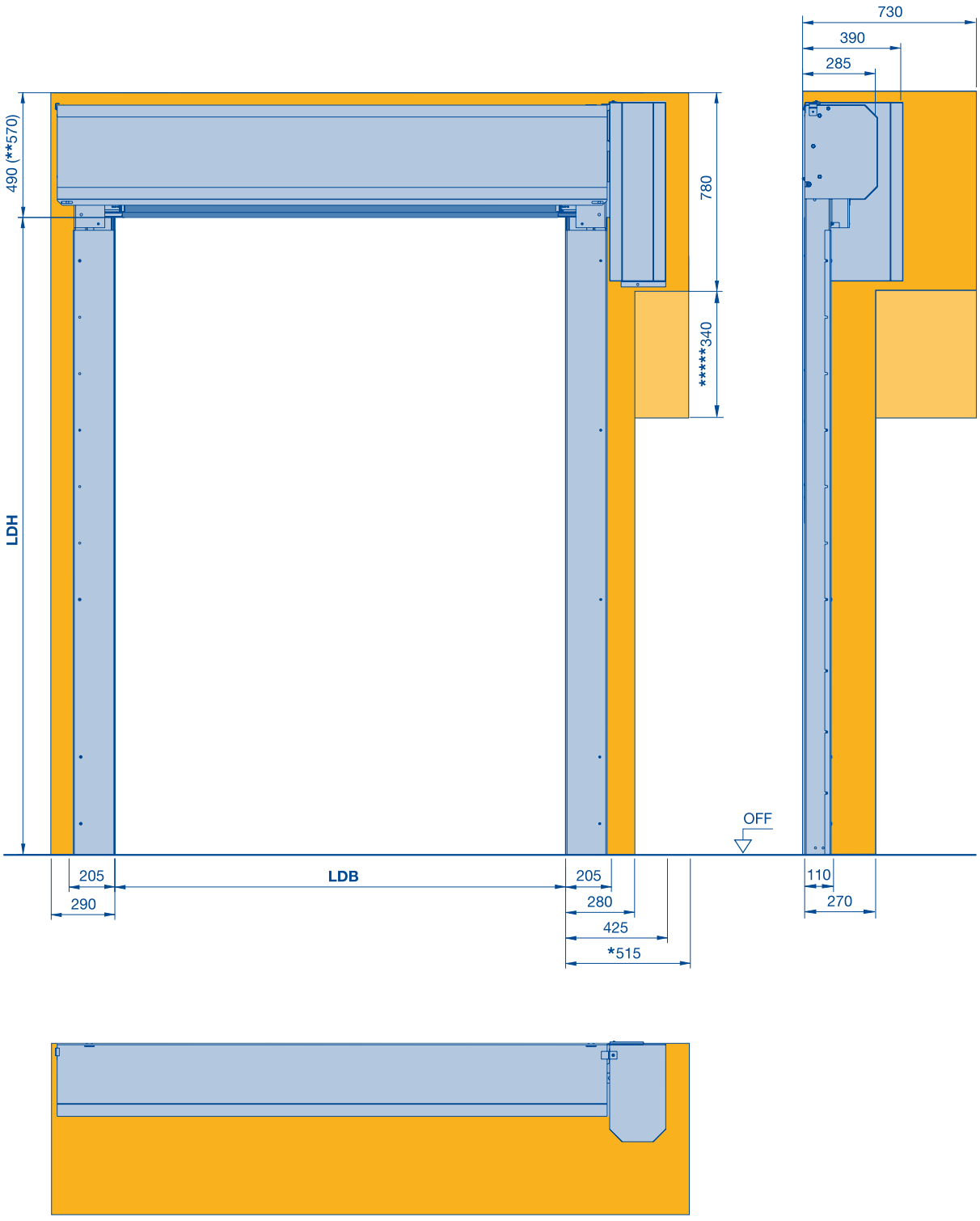


*	Space required to dismantle the operator	**X**	Order-related	**SD**	Lintel seal (LDH + 130 mm)
**	With aluminium bottom part	**LDH**	Clear passage height	**OFF**	Finished floor level
*****	For emergency crank handle	**LDB**	Clear passage width		All dimensions in mm

High-Speed Internal Door V 5030 SEL

With SoftEdge and anti-crash

Full cladding, straight



* Space required to dismantle the operator
** With aluminium bottom part
***** For emergency crank handle

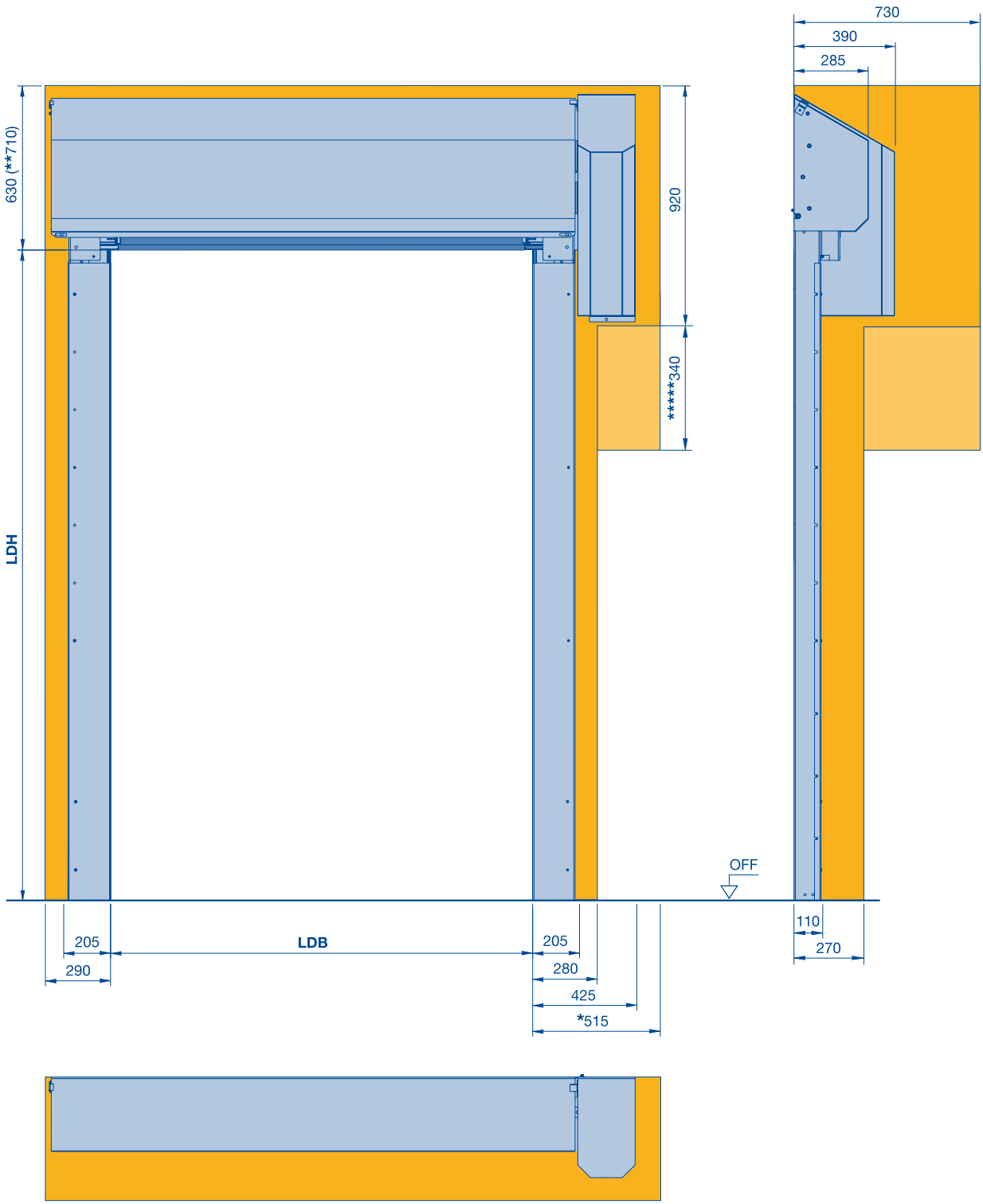
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

High-Speed Internal Door V 5030 SEL

With SoftEdge and anti-crash

Full cladding, chamfered



* Space required to dismantle the operator
** With aluminium bottom part
***** For emergency crank handle

LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Notes

Cold Store and Deep Freeze Doors

Technical data

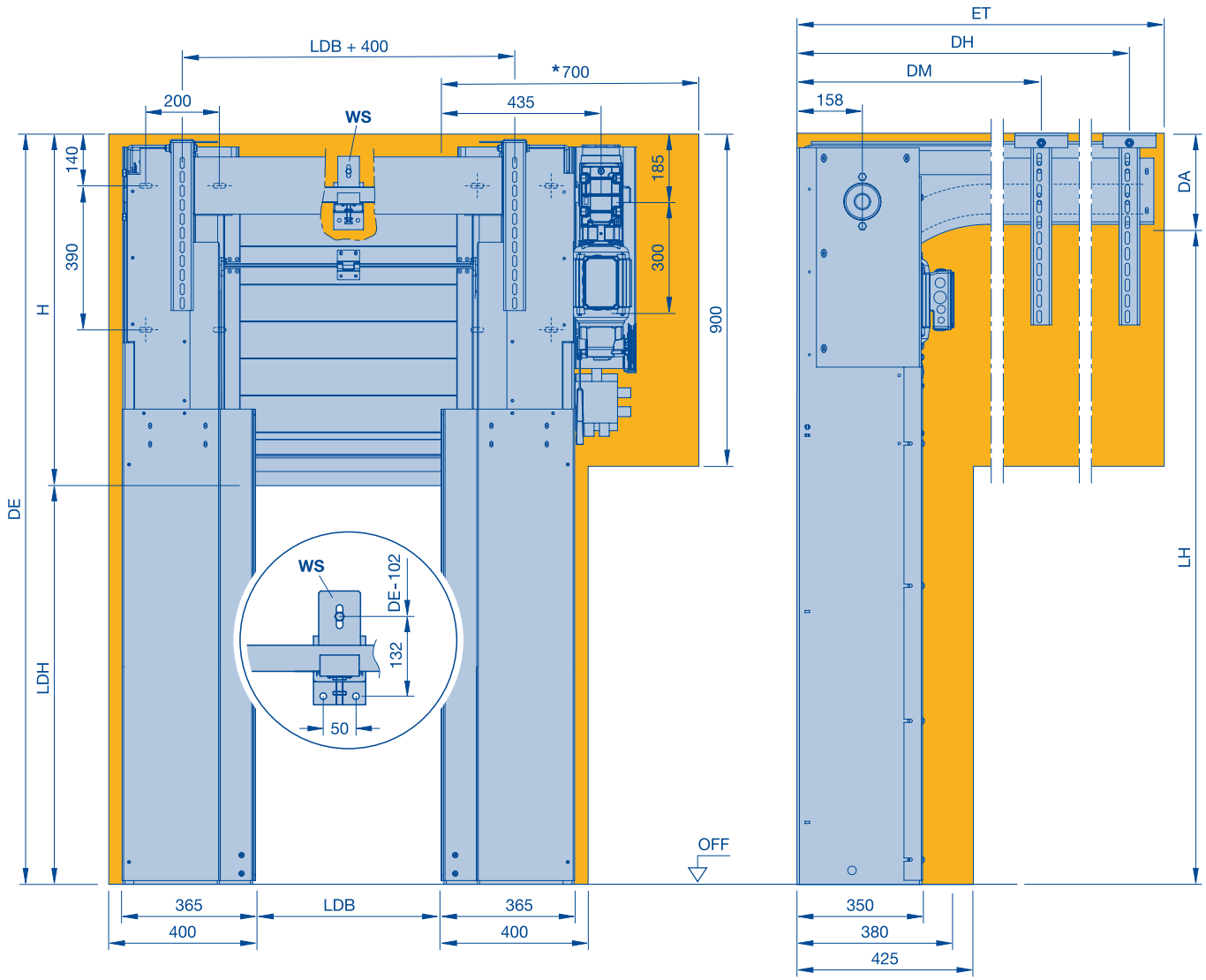
Use	Internal door	
	External door	
Speed	FU control (3-phase)	Max. opening speed, approx. m/sec.
	FU control (1-phase)	Max. opening speed, approx. m/sec.
		Max. closing speed, approx. m/sec.
Safety equipment	DIN EN 13241	
Resistance to wind load	DIN EN 12424	
Resistance to water penetration	DIN EN 12425	
Air permeability	DIN EN 12426	
Transmission of heat	DIN EN 12428	
Curtain stabilisation / wind lock	Aluminium / spring steel	
Door sizes	Max. width LDB	
	Max. height LDH	
Fitting dimensions (space requirement) See also the fitting data	Operator side	LDB + mm (with cladding)
	Bearing side	LDB + mm (with cladding / counter weight)
	Lintel	LDH + mm
		LDH + mm, straight cladding
		LDH + mm, cladding 30° (5°)
	FU control in steel cabinet (AS), 3-phase (W × H × D)	
	FU control in plastic cabinet (BK), 1-phase (W × H × D)	
	FU control in steel cabinet (BS), 1-phase (W × H × D)	
	FU control in steel cabinet with UPS (BS), 1-phase (W × H × D)	
Anti-crash / crash-protection	With automatic / manual start-up	
Door construction	Self-supporting	
Curtain / door leaf	Door leaf	80 mm, PU-foamed
	Curtain	20 mm PE foam
Curtain / door leaf tension		
Guide material / surface	Galvanized steel	
	Galvanized steel, coated, in colours based on RAL	
	Polished stainless steel V2 A	
Shaft / operator cover	Straight	
	30° chamfered (5°)	
Operator and control	FU control	
	Connecting voltage	3-phase
		1-phase
	Open-Stop-Close button	
	FU control, main switch, all-pole switch-off, 1-phase / 3-phase	
	Fuse protection	3-phase
		1-phase
	Protection category	Operator, control
	Emergency-OFF button	
	Closing edge safety device	With energy chain
	Closing zone monitoring	Safety light grille IP 67
	External route monitoring	Photocell (internal)
		Light grille
	Door area monitoring	Radar presence detector
		Induction loop
	Hold-open phase in sec.	
	Electronic limit switch DES	
Emergency opening	Crank handle	
	Emergency hand chain	
	Counter weight / springs	
	UPS in plastic cabinet (200 × 400 × 200) for FU control 230 V, 1-phase	
Volt-free contacts		
Impulse generator		
Safety devices		

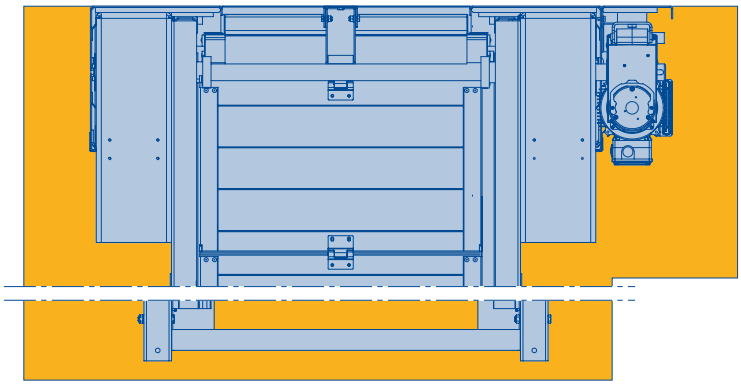
ISO Speed Cold H	ISO Speed Cold V	V 4015 ISO L
●	●	●
●	●	–
2.0	2.0	–
–	–	1.5
0.5	0.5	0.5
●	●	●
Class 3	Class 3	Class 0
Class 0	Class 0	Class 0
Class 0	Class 0	Class 0
0.3 W/(m²·K)	0.3 W/(m²·K)	1.9 W/(m²·K)
– / –	– / –	● / –
5000	5000	4000
5000	5000	4500
570 (–)	570 (–)	325 (360)
400 (– / 400)	445 (– / 445)	295 (325 / –)
750	LDH × 2 + 585	630
–	–	–
– (–)	– (–)	– (720)
400 × 600 × 200	400 × 600 × 200	–
–	–	200 × 400 × 200
–	–	300 × 400 × 150
–	–	400 × 600 × 200
–	–	–
–	–	–
●	●	–
–	–	●
–	–	–
●	●	●
○	○	○
○	○	○
–	–	–
–	–	(○)
●	●	●
3 – 400 V, N, PE	3 – 400 V, N, PE	–
–	–	1 – 230 V, N, PE
●	●	●
– / ●	– / ●	○ / –
20 A, slow-acting	20 A, slow-acting	–
–	–	16 A, slow-acting
IP 54	IP 54	IP 54
○	○	○
●	●	–
–	–	●
(●)	(●)	–
○	○	○
○	○	○
○	○	○
1 – 200	1 – 200	1 – 200
●	●	●
●	●	●
○	○	–
● / –	● / –	– / –
–	–	○
○	○	○
○	○	○
○	○	○

● Standard ○ Optional

Cold Store and Deep Freeze Door ISO Speed Cold H

Track application H

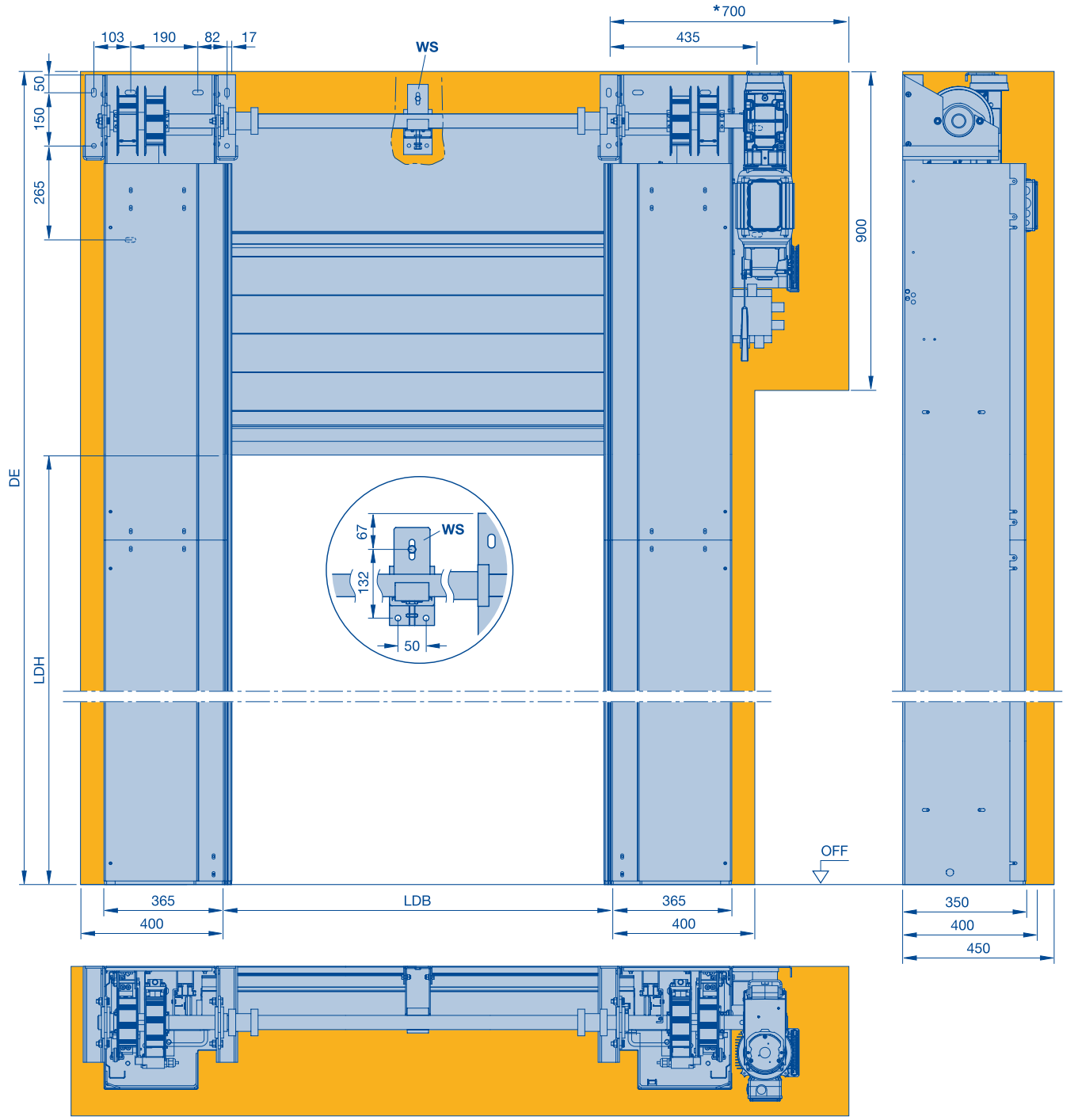




* Space required to dismantle the operator
LDH Clear passage height
LDB Clear passage width
DA Distance to ceiling (min. 255 mm)
DM Centre ceiling anchor (960 mm)
DH Rear ceiling anchor (ET – 120 mm)
DE Ceiling height (LDH + H)
ET Distance back ((2 × LDH) – LH + 1250 mm)
H Headroom (min. 1000 mm)
LH Track height (LDH + 495 mm)
OFF Finished floor level
WS Shaft support
(LDB > 3500 mm) 1 unit in centre
(LDB > 5000 mm) 2 units equally distributed
All dimensions in mm

Cold Store and Deep Freeze Door ISO Speed Cold V

Track application V



* Space required to dismantle the operator

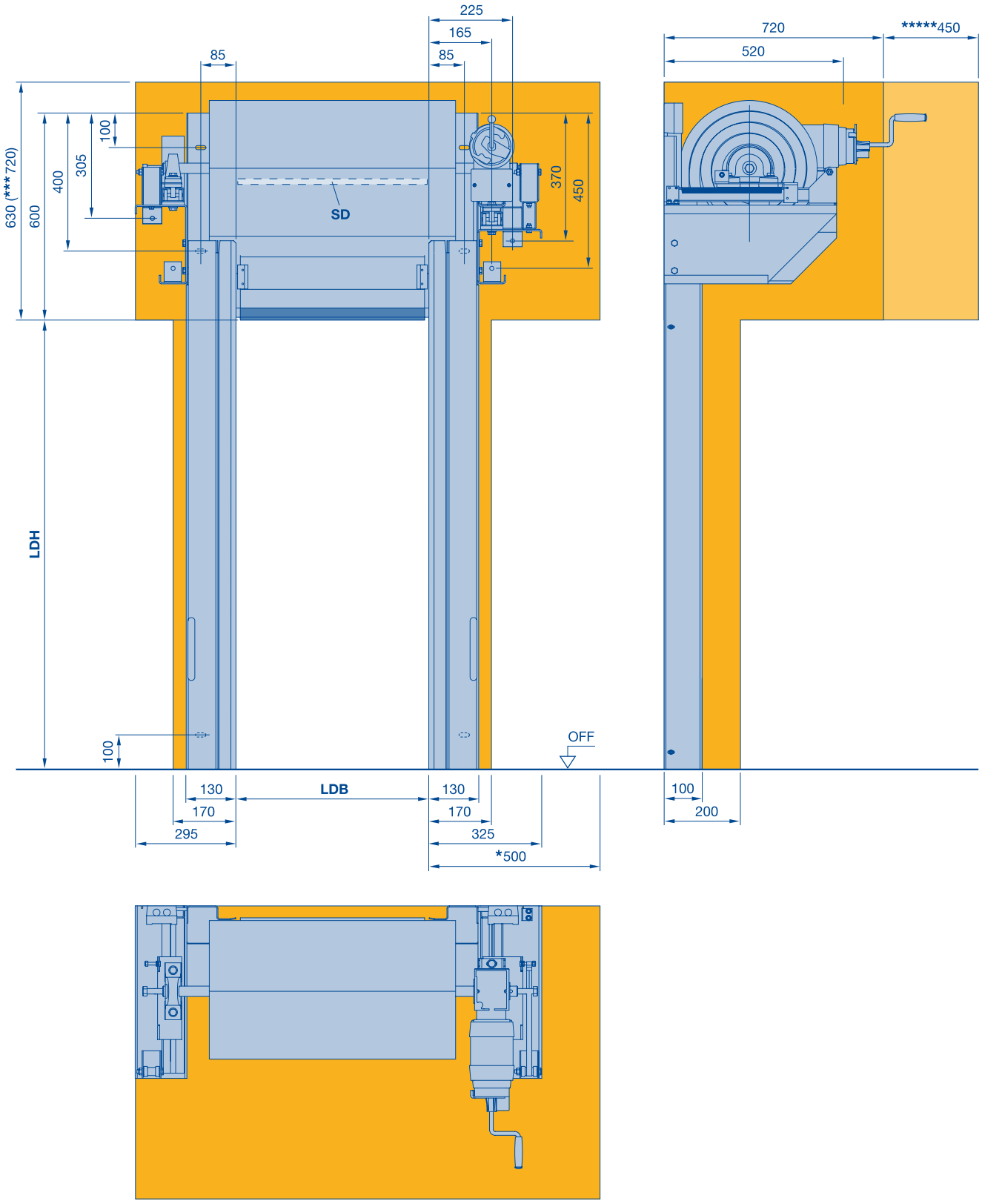
LDH Clear passage height
LDB Clear passage width
DE Ceiling height (min. (2 × LDH) + 850 mm)
OFF Finished floor level

WS Shaft support
(LDB > 3500 mm) 1 unit in centre
(LDB > 5000 mm) 2 units equally distributed

All dimensions in mm

Vertical High-Speed Doors V 4015 ISO L

Fresh and cold logistics



* Space required to dismantle the operator
*** Optional cladding 5°
***** For emergency crank handle

LDH Clear passage height
LDB Clear passage width
SD Lintel seal (LDH + 380 mm)

OFF Finished floor level

All dimensions in mm

Notes

Special Doors
Technical data

Use	Internal door	
	External door	
Speed	FU control (3-phase)	Max. opening speed, approx. m/sec.
	FU control (1-phase)	Max. opening speed, approx. m/sec.
		Max. closing speed, approx. m/sec.
Safety equipment	DIN EN 13241	
Resistance to wind load	DIN EN 12424	
Resistance to water penetration	DIN EN 12425	
Air permeability	DIN EN 12426	
Transmission of heat	DIN EN 12428	
Curtain stabilisation / wind lock	Aluminium / spring steel	
Door sizes	Max. width LDB	
	Max. height LDH	
Fitting dimensions (space requirement)	Operator side	LDB + mm (with cladding)
	Bearing side	LDB + mm (with cladding)
	Lintel	LDH + mm
		LDH + mm, straight cladding
		LDH + mm, cladding 30° (5°)
	FU control in steel cabinet (AS), 3-phase (W × H × D)	
	FU control in plastic cabinet (BK), 1-phase (W × H × D)	
	FU control in steel cabinet (BS), 1-phase (W × H × D)	
	FU control in steel cabinet with UPS (BS), 1-phase (W × H × D)	
Anti-crash / crash-protection	With automatic / manual start-up	
Door construction	Self-supporting	
Curtain / door leaf	Fabric / transparent	1.5 / 2.0 mm
	Transparent	4.0 mm
Curtain / door leaf tension		
Guide material / surface	Galvanized steel	
	Galvanized steel, coated, in colours based on RAL	
	Polished stainless steel V2 A	
Shaft / operator cover	Straight	
	30° chamfered (5°)	
Operator and control	WU control	
	FU control	
	Connecting voltage	3-phase
		1-phase
	Open-Stop-Close button	
	FU control, main switch, all-pole switch-off, 1-phase/3-phase	
	Fuse protection	3-phase
		1-phase
	Emergency-OFF button	
	Closing edge safety device	With energy chain
	Closing zone monitoring	Safety light grille IP 67
	External route monitoring	Photocell (internal)
		Light grille
	Door area monitoring	Radar presence detector
		Induction loop
	Hold-open phase in sec.	
	Electronic limit switch DES	
Emergency opening	Crank handle	
	Emergency hand chain	
	Counter weight / springs	
	UPS in plastic cabinet (200 × 400 × 200) for FU control 230 V, 1-phase	
Volt-free contacts		
Impulse generator		
Safety devices		

V 5030 MSL / V 3015 RW / V 2515 FOOD L / V 2012 – V 2512

V 5030 MSL	V 3015 RW	V 2515 FOOD L	V 2012 – V 2512
●	●	●	●
–	–	–	–
–	–	–	–
1.5	1.5	1.2	1.2
0.8	0.8	0.5	0.5
●	●	●	●
Class 0	Class 0	Class 0	Class 0
Class 0	Class 0	Class 0	Class 0
Class 0	Class 0	Class 0	Class 0
–	–	–	–
–/●	●/–	–/●	–/●
4000	3000	2500	2500
4000	3000	3000	2500
385 (425)	325 (355)	– (355)	– (345)
255 (290)	300 (300)	– (200)	– (180)
520	440	–	–
570	490	–	400
710	670	(480)	–
400 × 600 × 200	–	–	–
200 × 400 × 200	–	–	200 × 400 × 200
300 × 400 × 150	400 × 500 × 200	300 × 400 × 150 (stainless steel 1.4301)	–
400 × 600 × 200	–	400 × 600 × 200 (stainless steel 1.4301)	–
–	Anti-crash	Anti-crash	Anti-crash
●	●	●	●
–	●	●	●
●	–	–	–
–	–	–	–
●	●	–	●
○	○	–	○
○	○	●	–
○	○	–	●
○	○	(●)	–
–	–	–	–
●	●	●	●
3 – 400 V, N, PE	–	–	–
1 – 230 V, N, PE	1 – 230 V, N, PE	1 – 230 V, N, PE	1 – 230 V, N, PE
●	●	●	●
○/●	●/–	●/–	–/–
20 A, slow-acting	–	–	–
16 A, slow-acting	16 A, slow-acting	16 A, slow-acting	16 A, slow-acting
○	●	○	○
–	With spiral cable	–	–
●	–	●	–
–	(●)	○	–
○	○	○	●
○	○	○	○
○	○	○	○
1 – 200	1 – 200	1 – 200	1 – 200
●	●	●	●
●	–	–	–
–	–	–	–
–	●/–	–/–	●/–
○	–	○	–
○	○	○	○
○	○	○	○
○	○	○	○

● Standard ○ Optional

Special Doors
Technical data

Use	Internal door	
	External door	
Speed	FU control (3-phase)	Max. opening speed, approx. m/sec.
	FU control (1-phase)	Max. opening speed, approx. m/sec.
		Max. closing speed, approx. m/sec.
Safety equipment	DIN EN 13241	
Resistance to wind load	DIN EN 12424	
Resistance to water penetration	DIN EN 12425	
Air permeability	DIN EN 12426	
Transmission of heat	DIN EN 12428	
Curtain stabilisation / wind lock	Aluminium / spring steel	
Door sizes	Max. width LDB	
	Max. height LDH	
Fitting dimensions (space requirement)	Operator side	LDB + mm (with cladding)
	Bearing side	LDB + mm (with cladding)
	Lintel	LDH + mm
		LDH + mm, straight cladding
		LDH + mm, cladding 30° (5°)
	FU control in steel cabinet (AS), 3-phase (W × H × D)	
	FU control in plastic cabinet (BK), 1-phase (W × H × D)	
	FU control in steel cabinet (BS), 1-phase (W × H × D)	
	FU control in steel cabinet with UPS (BS), 1-phase (W × H × D)	
Anti-crash / crash-protection	With automatic / manual start-up	
Door construction	Self-supporting	
Curtain / door leaf	Fabric / transparent	1.5 / 2.0 mm
	Transparent	4.0 mm
Curtain / door leaf tension		
Guide material / surface	Galvanized steel	
	Galvanized steel, coated, in colours based on RAL	
	Polished stainless steel V2 A	
Shaft / operator cover	Straight	
	30° chamfered (5°)	
Operator and control	WU control	
	FU control	
	Connecting voltage	3-phase
		1-phase
	Open-Stop-Close button	
	FU control, main switch, all-pole switch-off, 1-phase / 3-phase	
	Fuse protection	3-phase
		1-phase
	Emergency-OFF button	
	Closing edge safety device	With energy chain
	Closing zone monitoring	Safety light grille IP 67
	External route monitoring	Photocell (internal)
		Light grille
	Door area monitoring	Radar presence detector
		Induction loop
	Hold-open phase in sec.	
	Electronic limit switch DES	
Emergency opening	Crank handle	
	Emergency hand chain	
	Counter weight / springs	
	UPS in plastic cabinet (200 × 400 × 200) for FU control 230 V, 1-phase	
Volt-free contacts		
Impulse generator		
Safety devices		

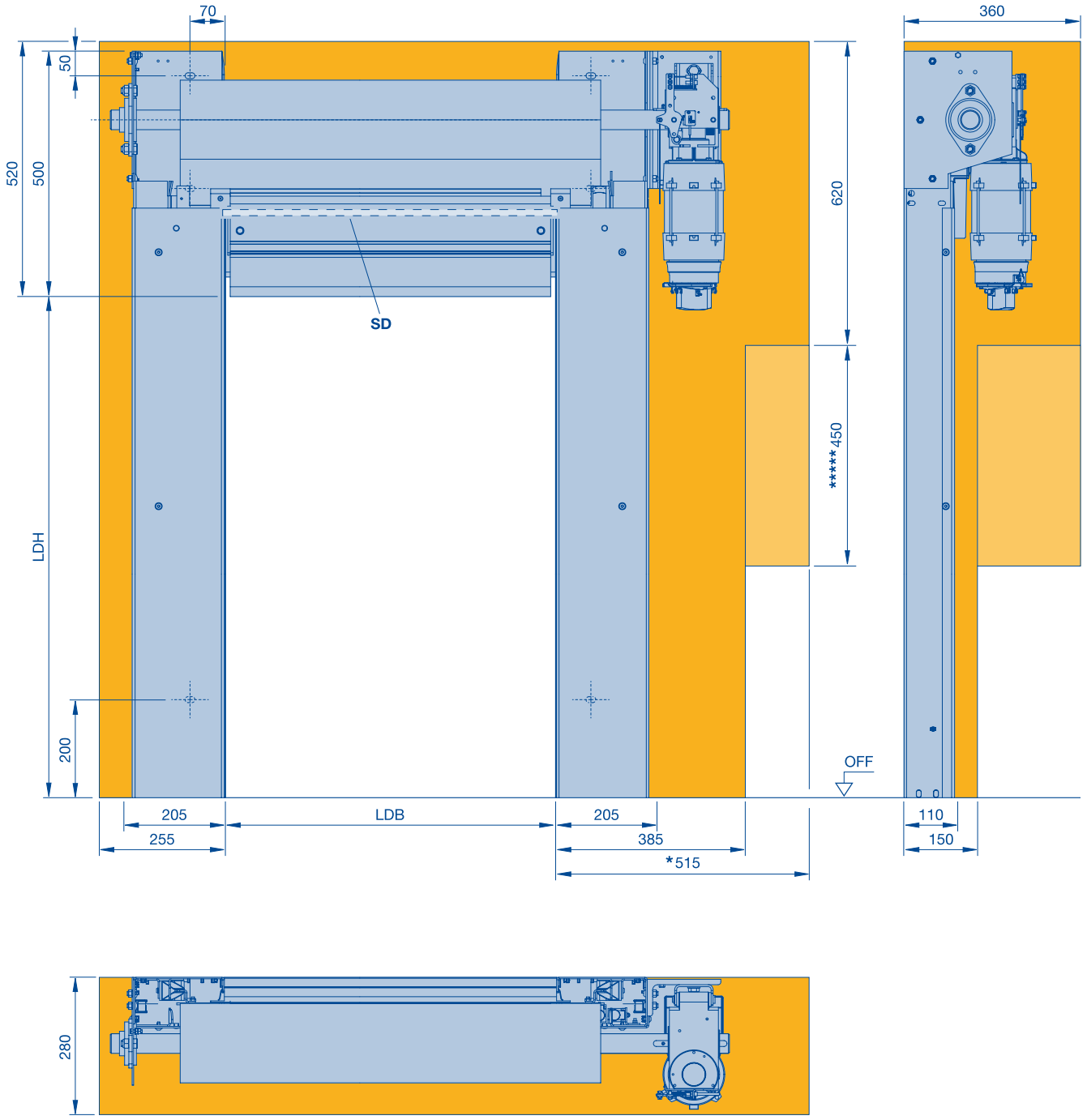
V 1401 ATEX / V 3015 CLEAN / V 3009 Conveyor / HT 3530

V 1401 ATEX	V 3015 CLEAN	V 3009 Conveyor	HT 3530
●	●	●	●
–	–	–	–
–	–	–	–
1.4	1.5	(AKE 0.8)	3.0
0.5	0.5	(AKE 0.8)	1.0
●	●	●	●
Class 0	Class 0	Class 0	Class 0
Class 0	Class 0	Class 0	Class 0
Class 0	Class 0	Class 0	Class 0
–	–	–	–
● / –	– / ●	● / –	– / –
4000	2500	3000	3500
4000	3000	3000	3500
435 (475)	– (380)	310 (310)	– (355)
150 (150)	– (225)	150 (180)	– (355)
660	–	300	–
700	–	335	370
850	(550)	480	520
–	–	–	–
–	–	200 × 400 × 200	200 × 400 × 200
600 × 600 × 200	300 × 400 × 150 (stainless steel 1.4301)	300 × 400 × 150	300 × 400 × 150
–	400 × 600 × 200 (stainless steel 1.4301)	400 × 600 × 200	400 × 600 × 200
–	–	–	–
●	●	●	–
●	–	●	●
–	●	–	–
–	–	–	●
●	–	●	●
○	–	○	○
○	●	○	○
○	–	○	●
○	(●)	○	○
–	–	●	–
●	●	○	●
–	–	–	–
1 – 230 V, N, PE	1 – 230 V, N, PE	1 – 230 V, N, PE	1 – 230 V, N, PE
●	●	●	●
● / –	○ / –	○ / –	○ / –
–	–	–	–
16 A, slow-acting	16 A, slow-acting	10 A (16 A, slow-acting / FU)	16 A, slow-acting
○	○	○	○
●	●	●	●
–	–	–	–
(●)	(●)	(●)	(●)
–	○	○	○
○	○	○	○
○	○	○	○
1 - 200	1 - 200	1 – 200	1 – 200
–	●	●	●
●	●	●	–
–	–	–	–
– / –	– / –	– / –	– / ●
–	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

● Standard ○ Optional

Special Door V 5030 MSL

Equipment protection



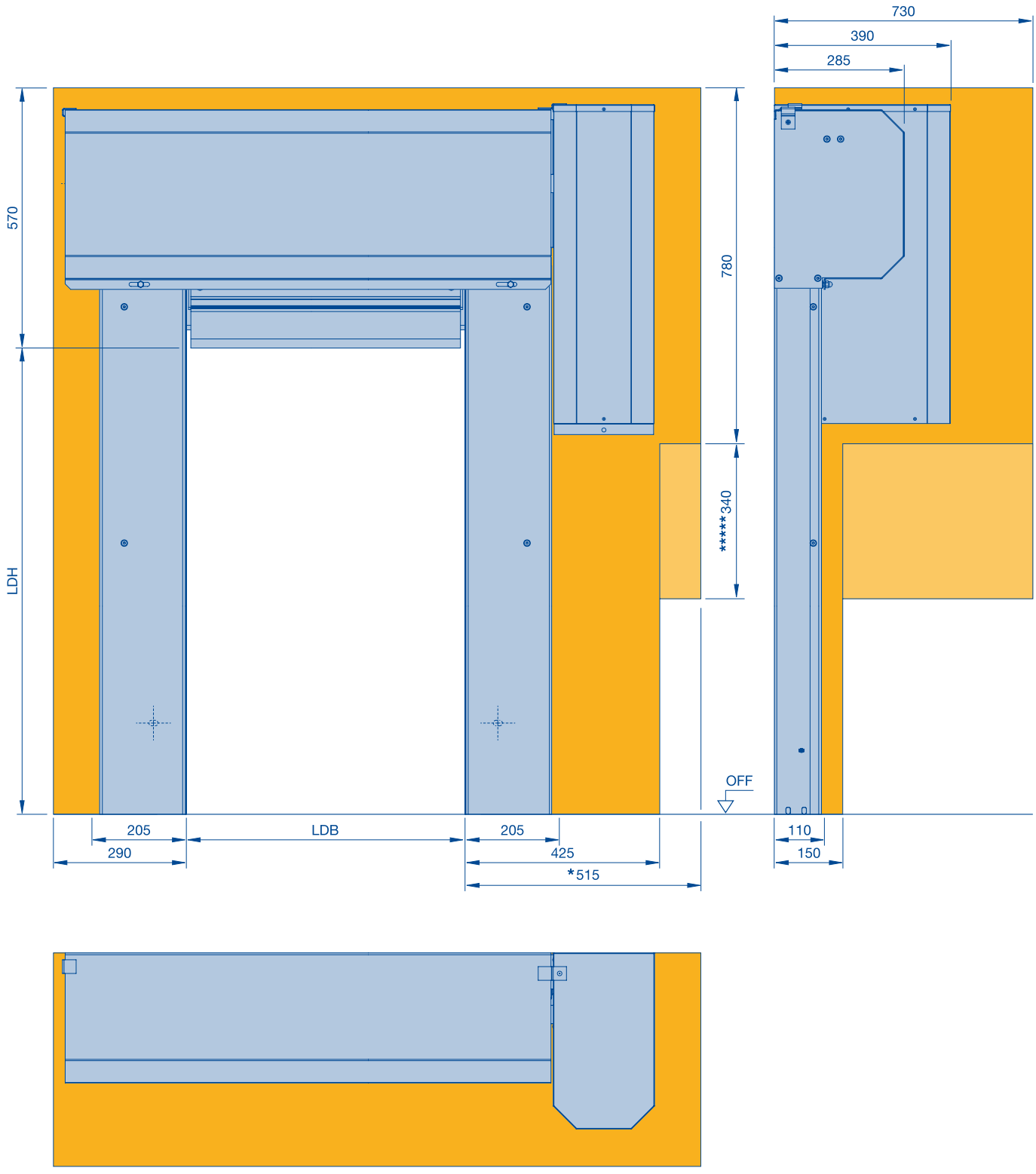
* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
SD Lintel seal (LDH + 165 mm)
OFF Finished floor level

All dimensions in mm

Special Door V 5030 MSL

Equipment protection

Full cladding, straight



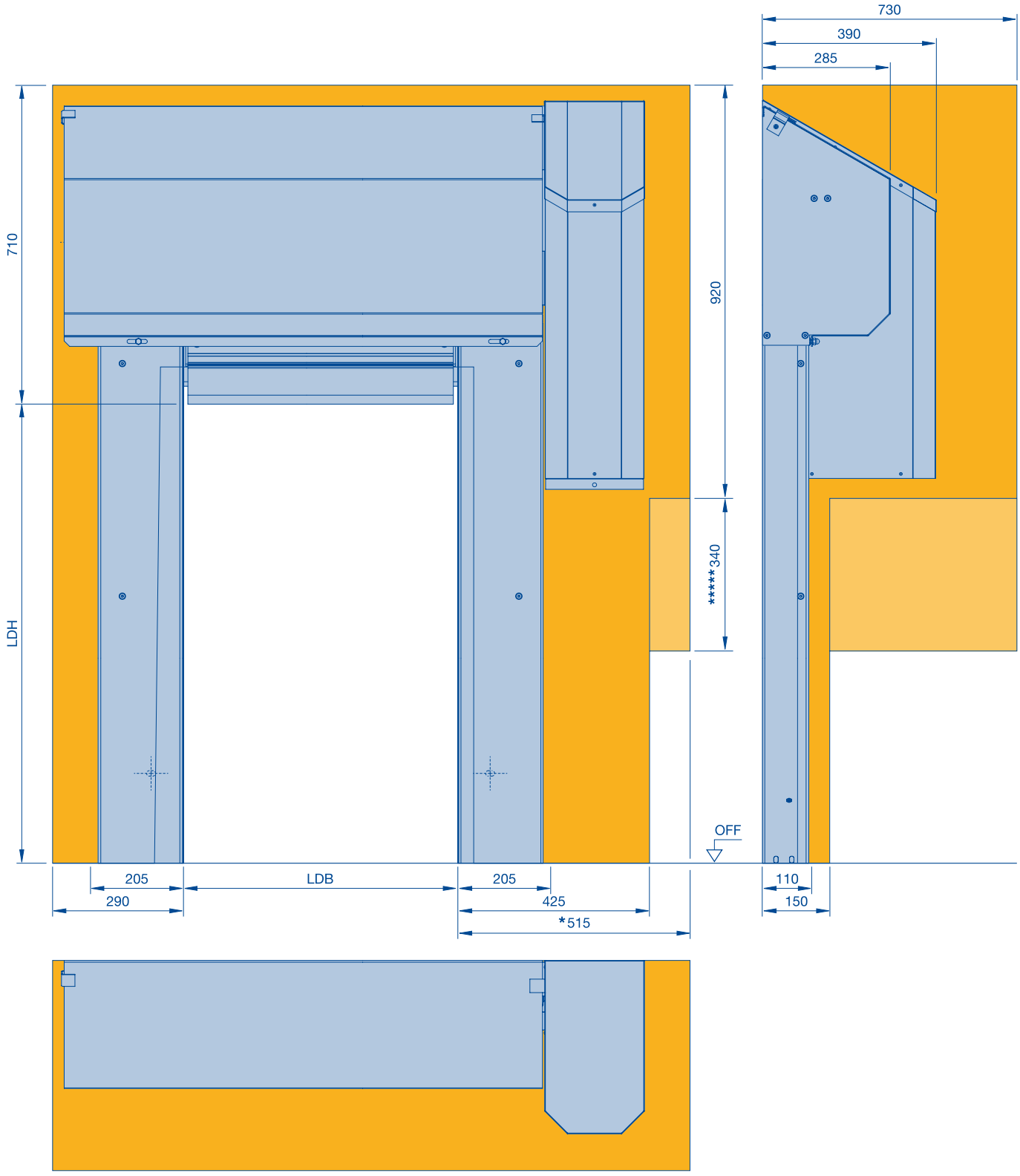
* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Special Door V 5030 MSL

Equipment protection

Full cladding, chamfered

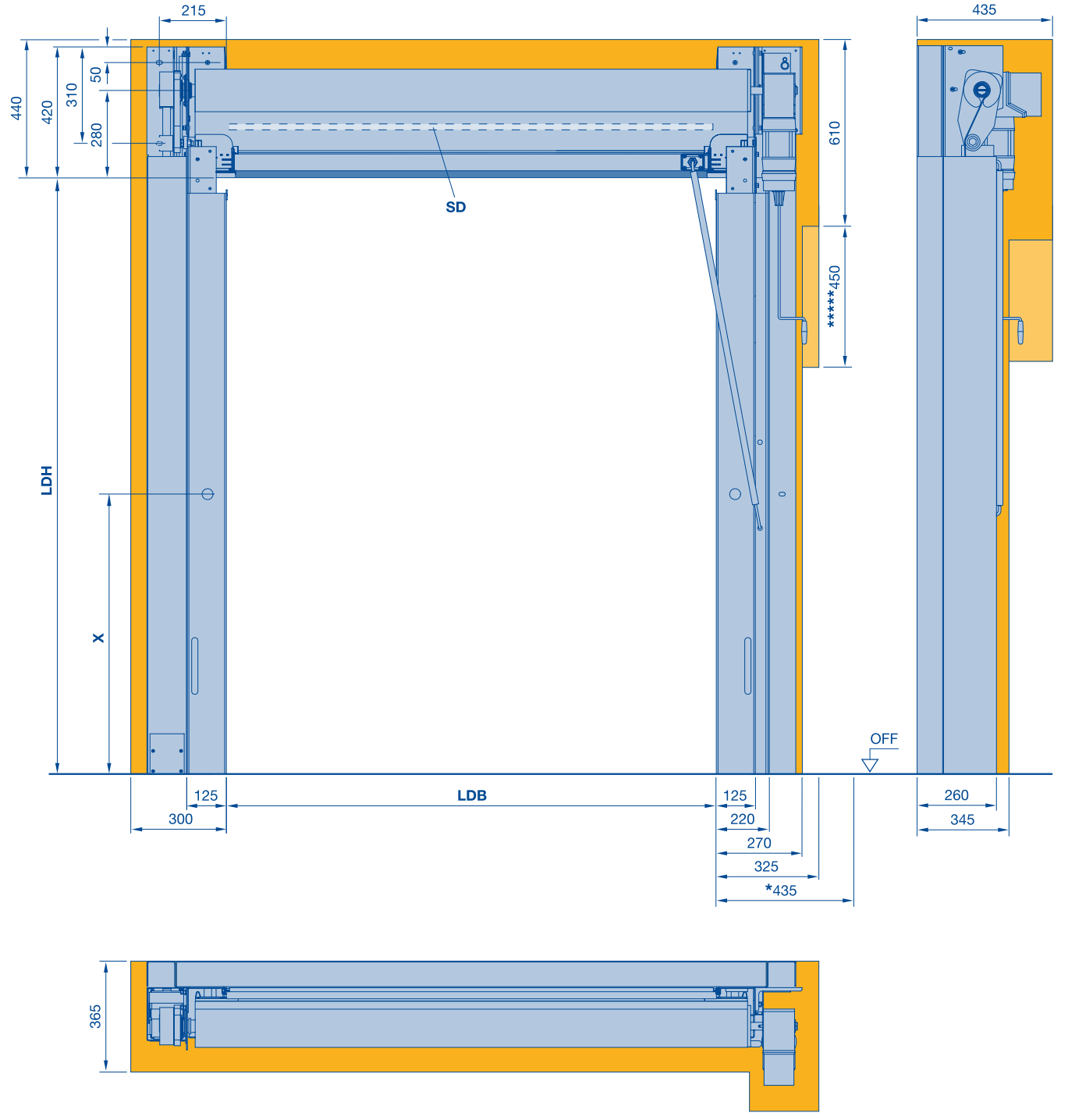


* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Special Door V 3015 RW

Rescue routes



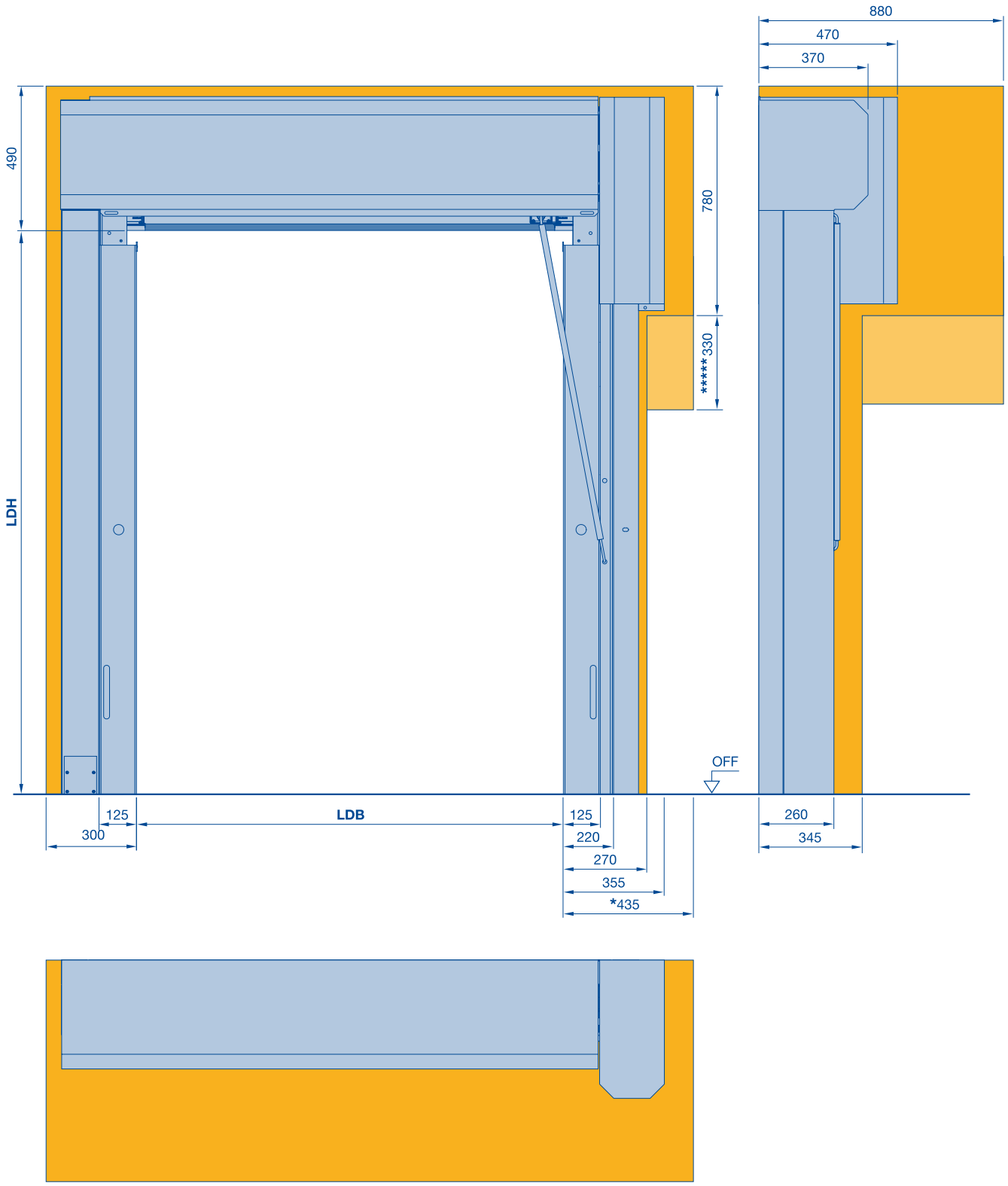
* Space required to dismantle the operator
***** For emergency crank handle
X Order-related
LDH Clear passage height
LDB Clear passage width
SD Lintel seal (LDH + 165 mm)
OFF Finished floor level

All dimensions in mm

Special Door V 3015 RW

Rescue routes

Full cladding, straight



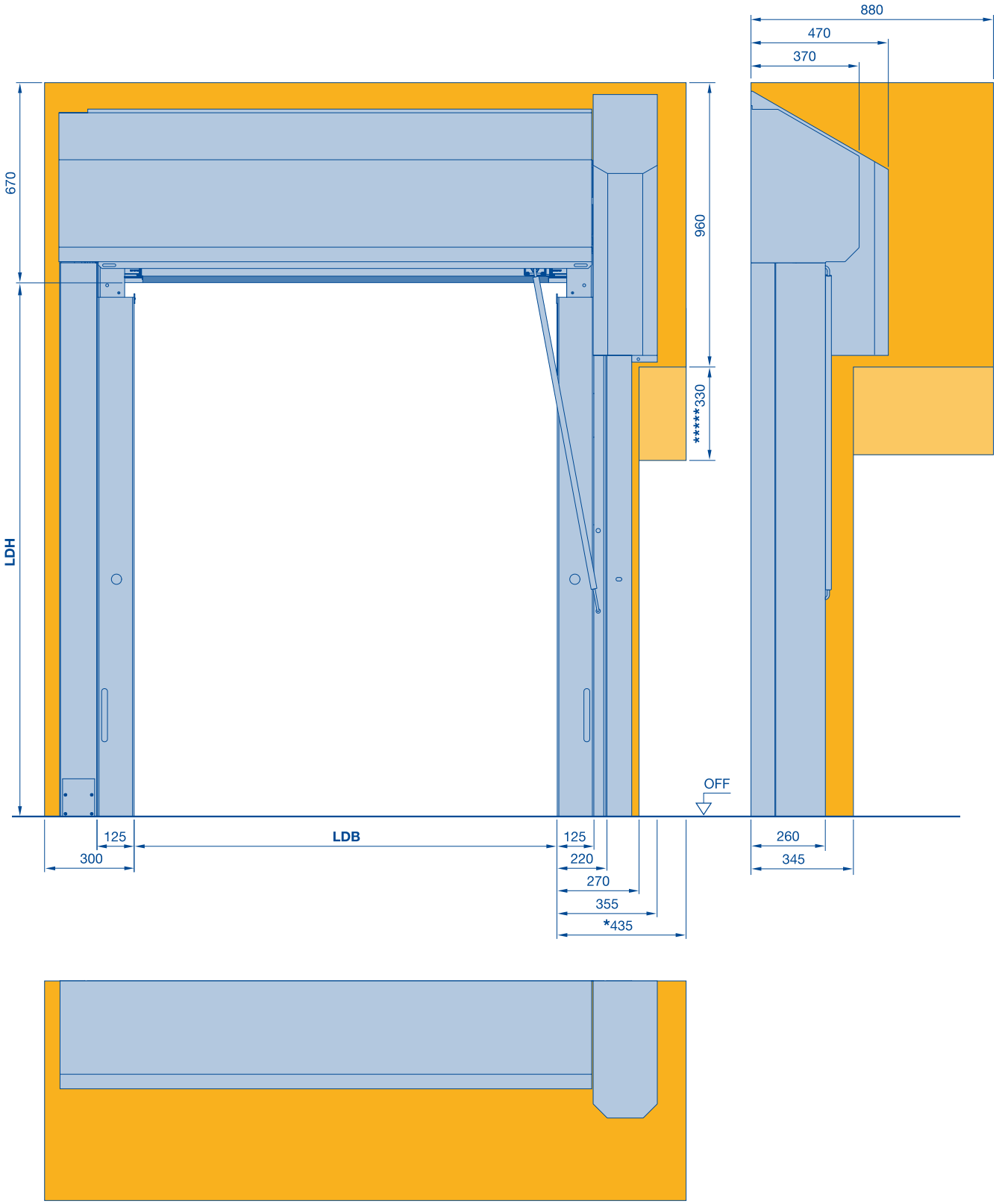
* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Special Door V 3015 RW

Rescue routes

Full cladding, chamfered

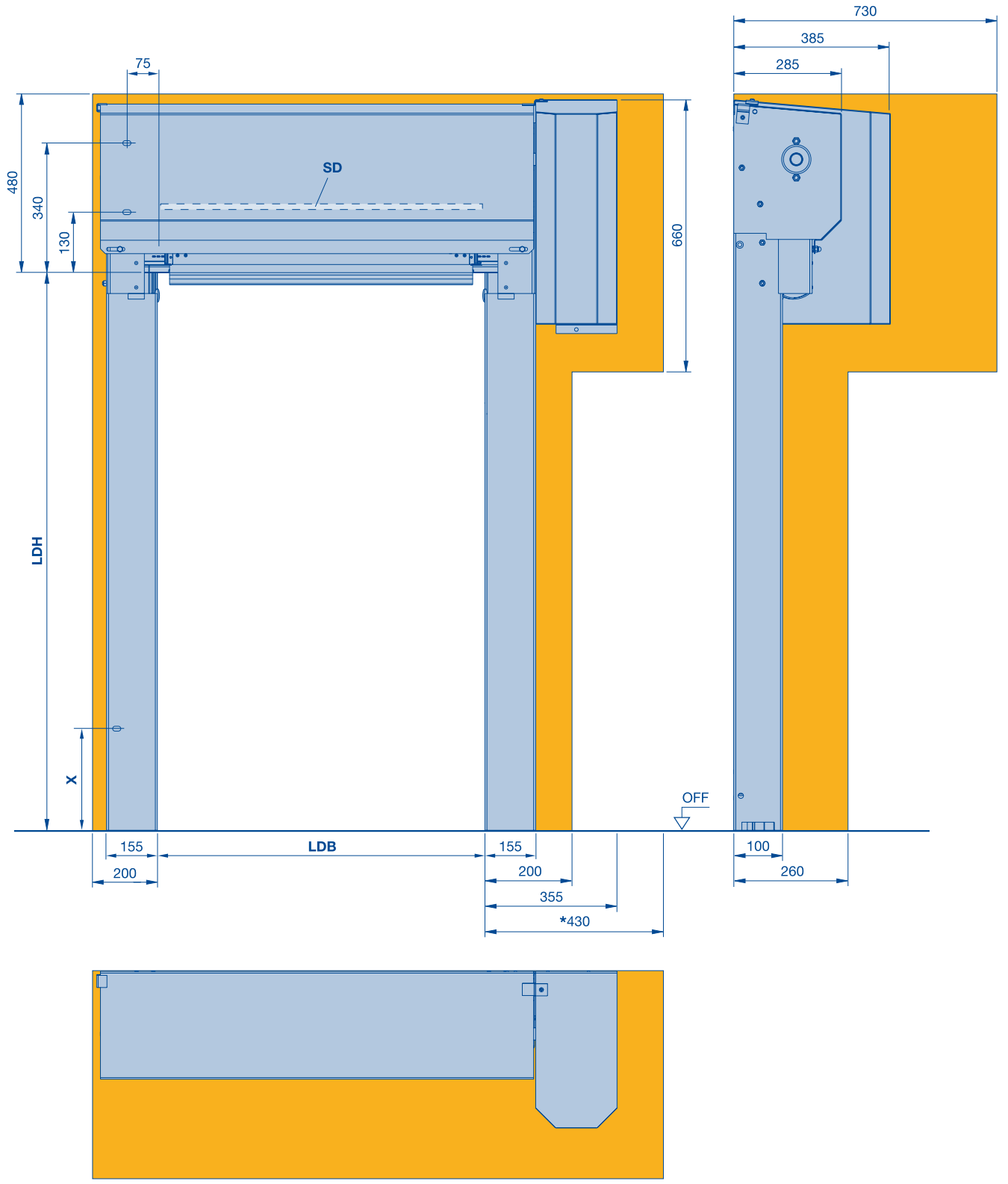


* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Special Door V 2515 FOOD L

Food industry

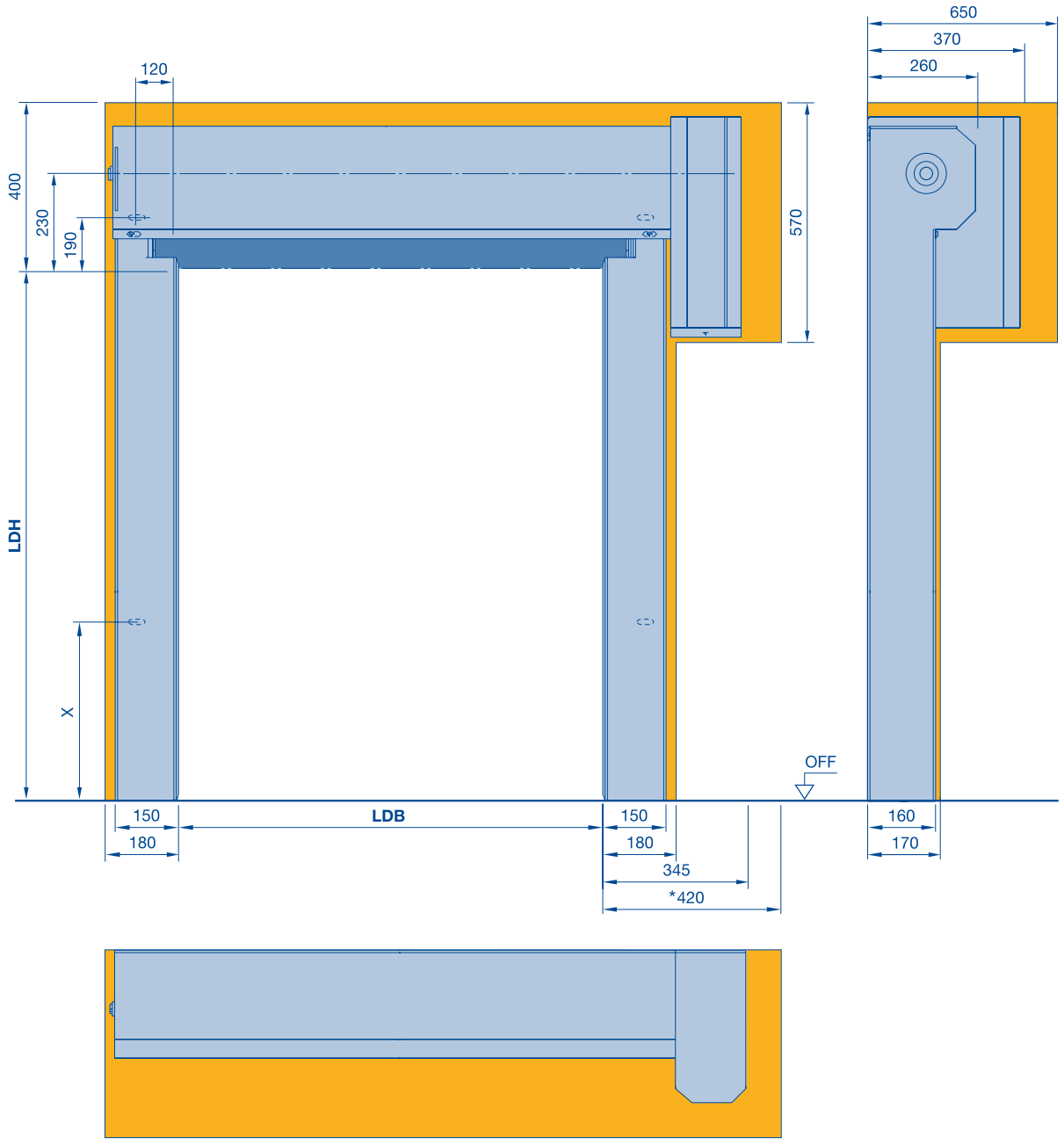


* Space required to dismantle the operator
X Order-related
LDH Clear passage height
LDB Clear passage width
SD Lintel seal (LDH + 170 mm)
OFF Finished floor level

All dimensions in mm

Special Door V 2012

Supermarket door

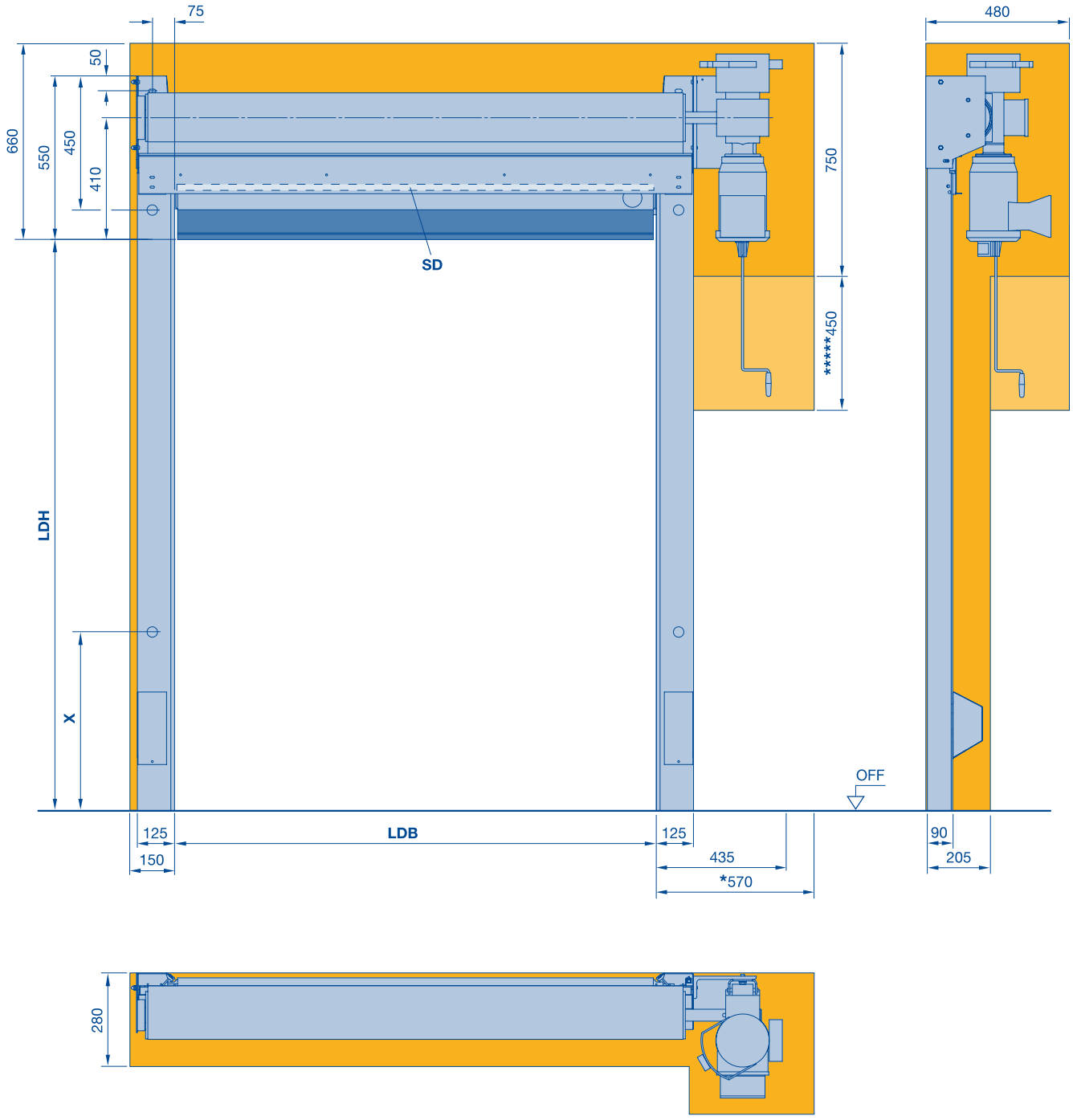


* Space required to dismantle the operator
X Order-related
OFF Finished floor level

All dimensions in mm

Special Door V 1401 ATEX

Explosion-proof



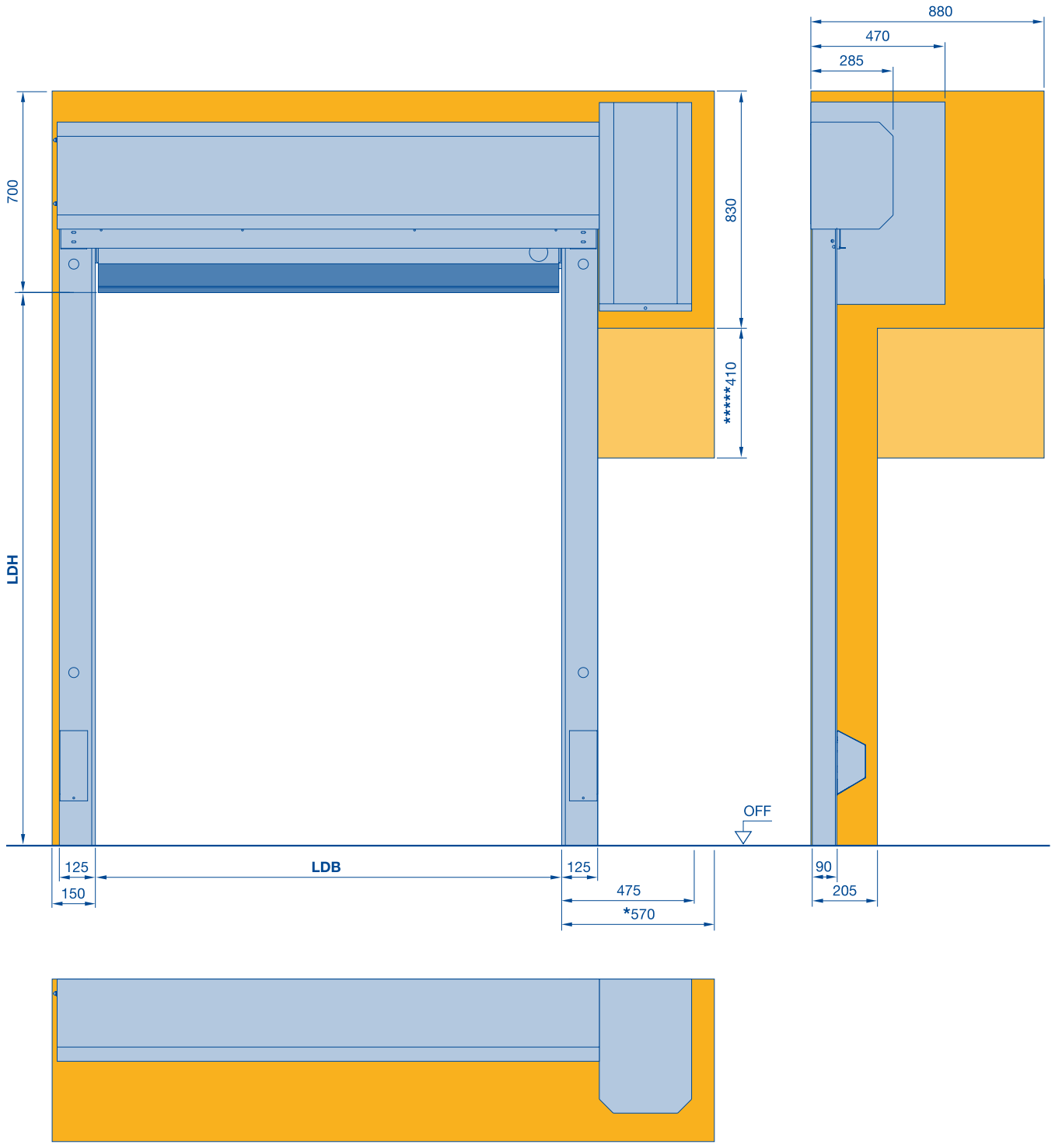
* Space required to dismantle the operator
***** For emergency crank handle
X Order-related
LDH Clear passage height
LDB Clear passage width
SD Lintel seal (LDH + 160 mm)
OFF Finished floor level

All dimensions in mm

Special Door V 1401 ATEX

Explosion-proof

Full cladding, straight



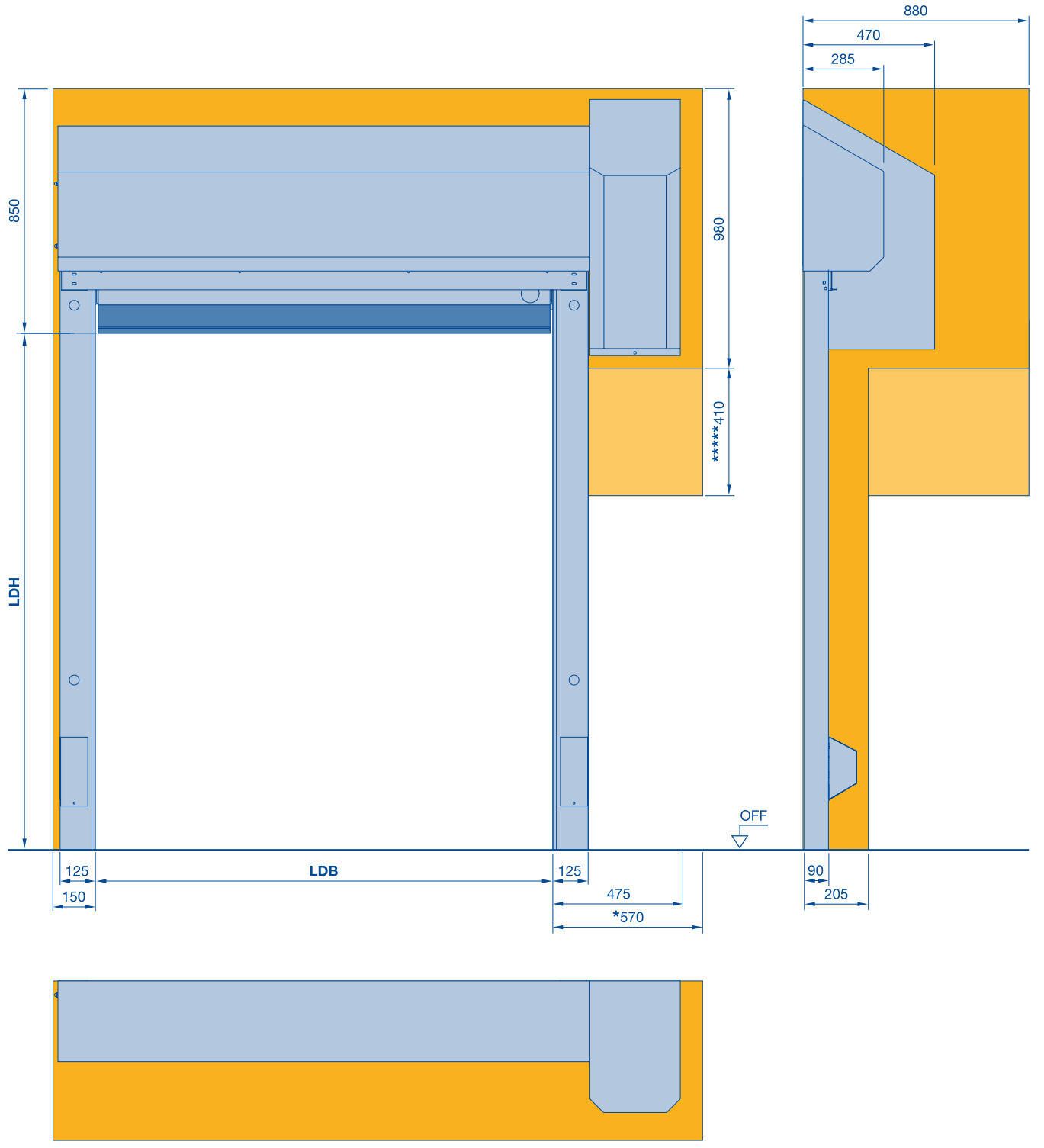
* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Special Door V 1401 ATEX

Explosion-proof

Full cladding, chamfered

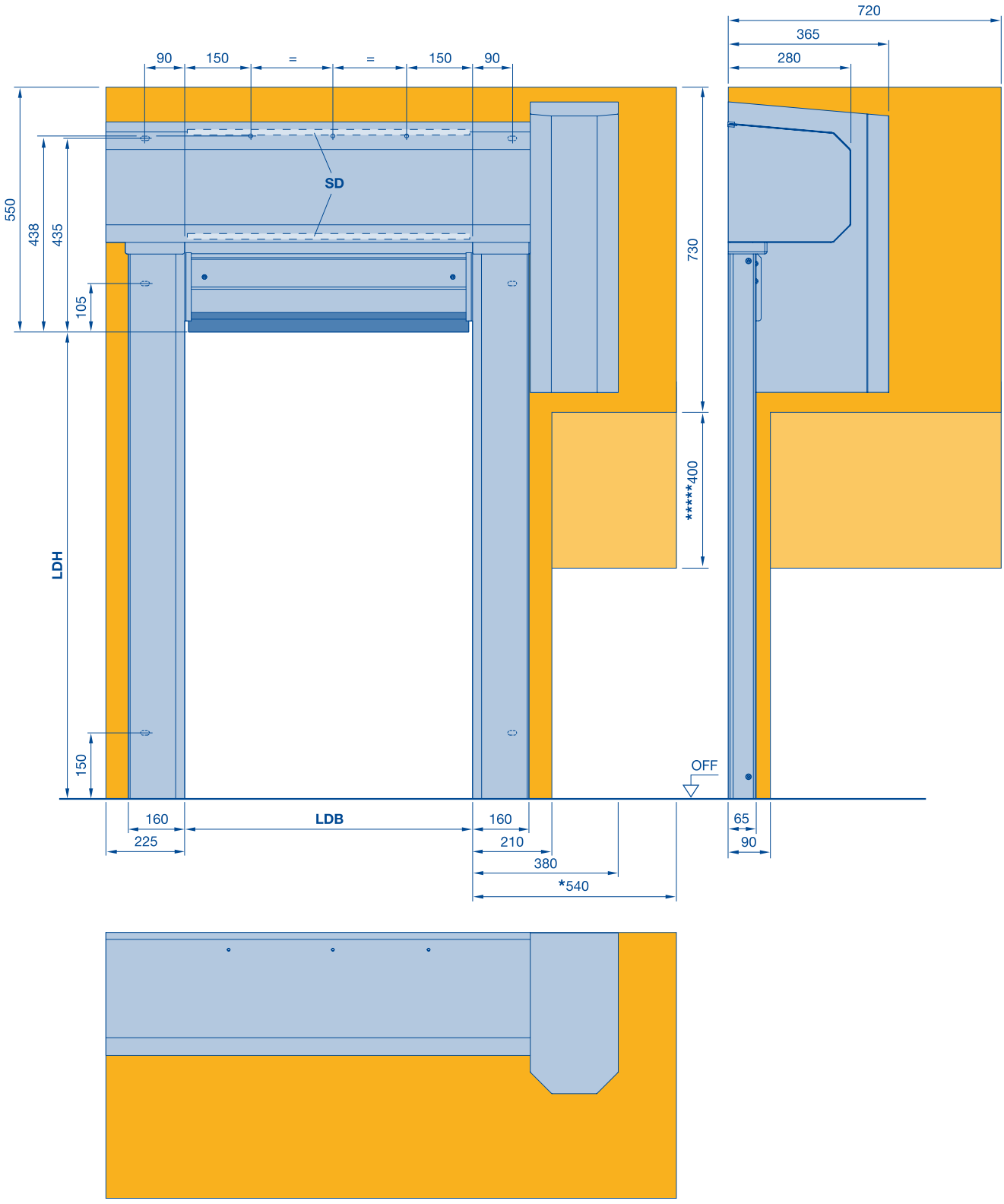


* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Special Door V 3015 CLEAN

Clean rooms

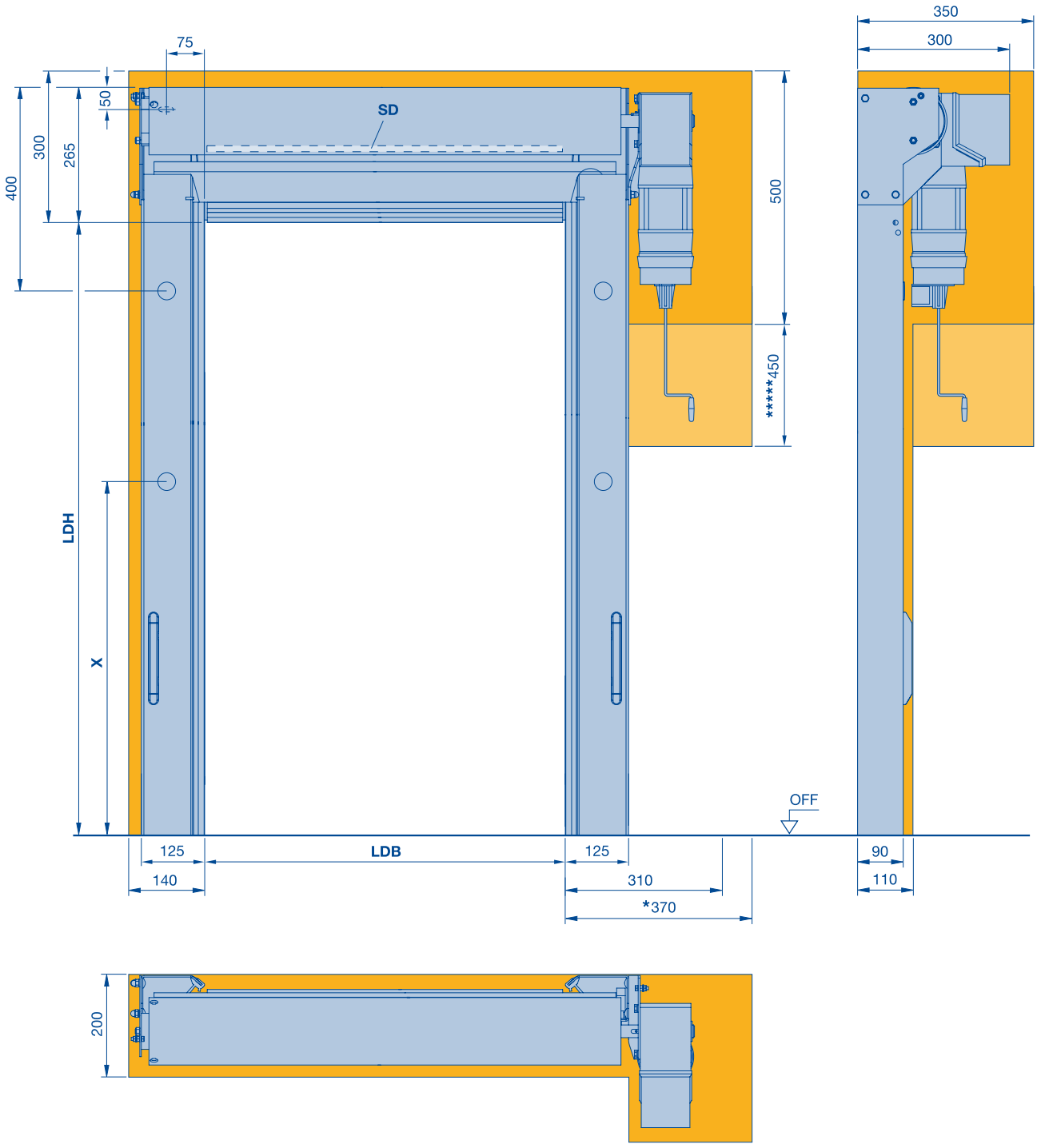


* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
SD Lintel seal (LDH + 225 mm) and (LDH + 438 mm)
OFF Finished floor level

All dimensions in mm

Special Door V 3009

Conveyor systems



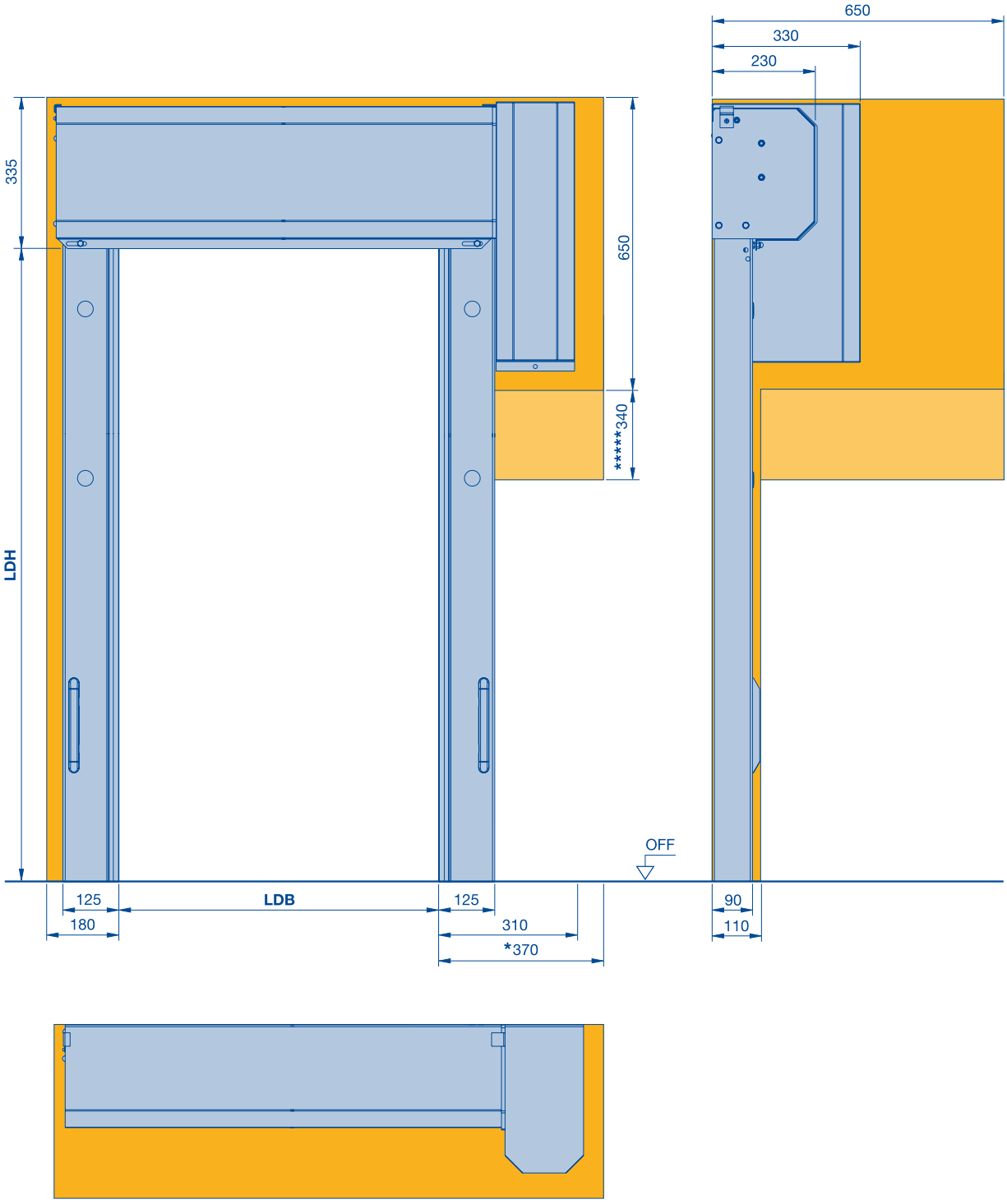
* Space required to dismantle the operator
***** For emergency crank handle
X Order-related
LDH Clear passage height
LDB Clear passage width
SD Lintel seal (LDH + 140 mm)
OFF Finished floor level

All dimensions in mm

Special Door V 3009

Conveyor systems

Full cladding, straight



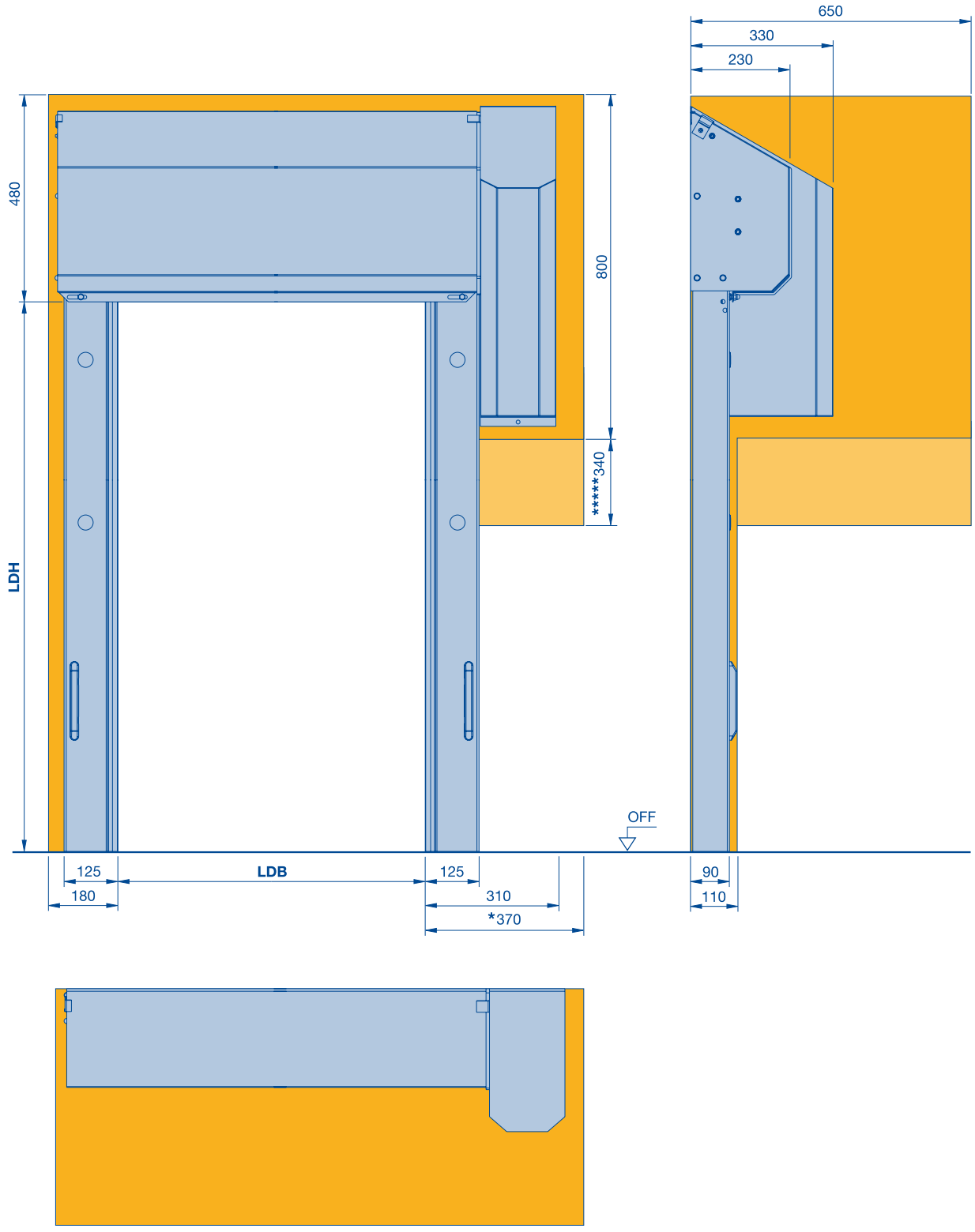
* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Special Doors V 3009

Conveyor systems

Full cladding, chamfered



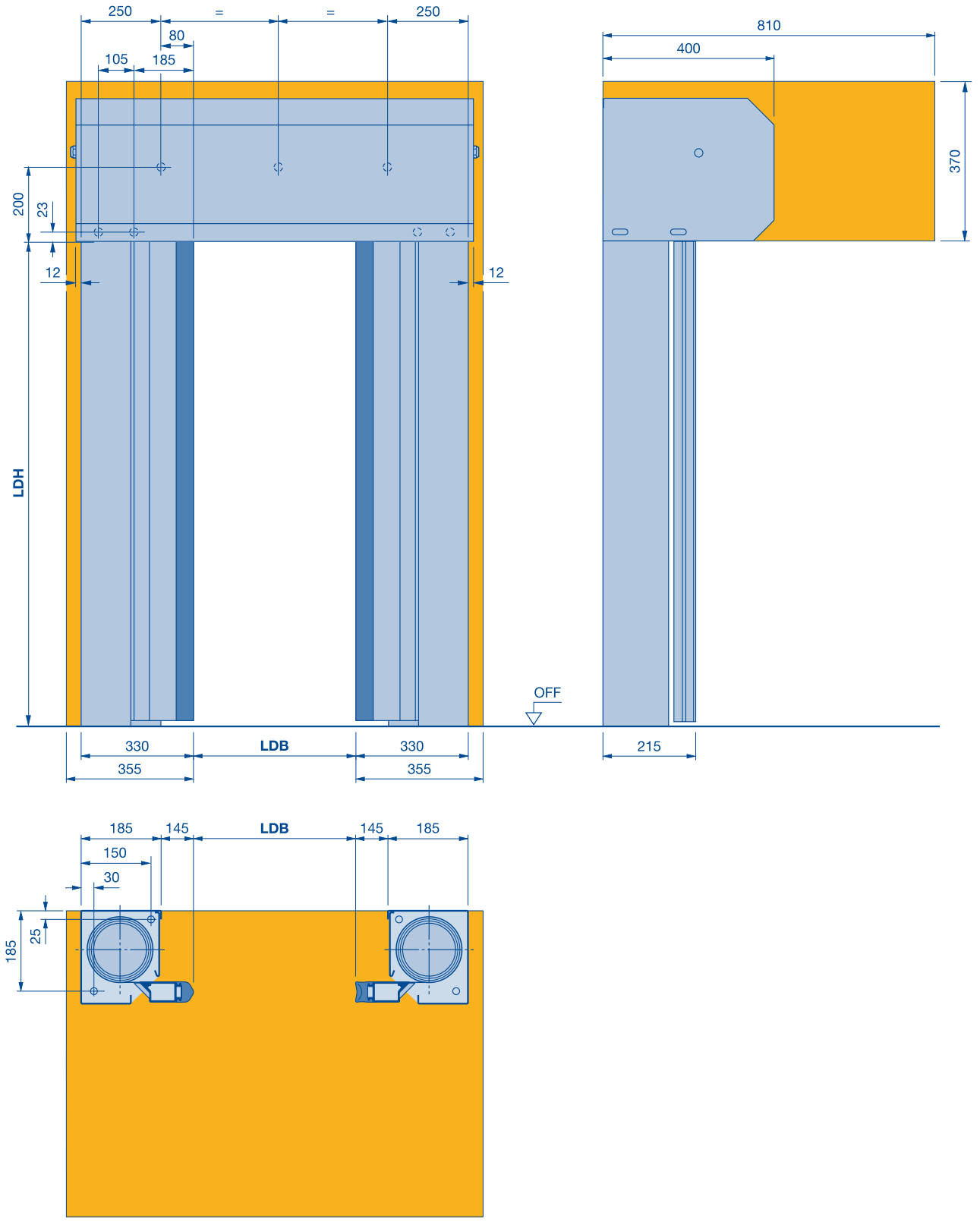
* Space required to dismantle the operator
***** For emergency crank handle
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Special Doors H 3530

Horizontal door

Full cladding, straight



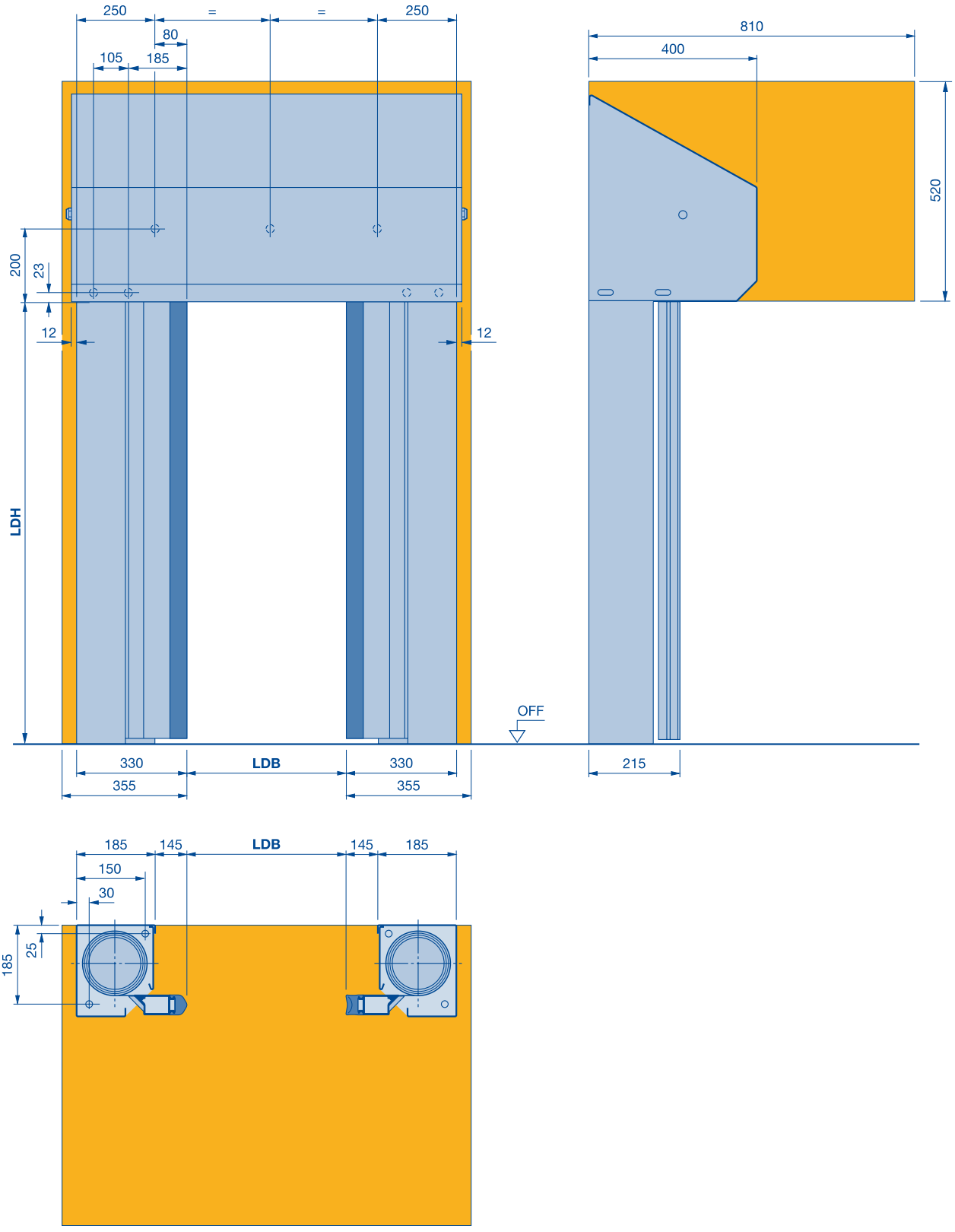
LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Special Doors H 3530

Horizontal door

Full cladding, chamfered



LDH Clear passage height
LDB Clear passage width
OFF Finished floor level

All dimensions in mm

Notes

Notes

Notes

Hörmann: Quality without Compromise


Hörmann KG Amshausen, Germany


Hörmann KG Antriebstechnik, Germany


Hörmann KG Brandis, Germany


Hörmann KG Brockhagen, Germany


Hörmann KG Dissen, Germany


Hörmann KG Eckelhausen, Germany


Hörmann KG Freisen, Germany


Hörmann KG Ichtershausen, Germany


Hörmann KG Werne, Germany

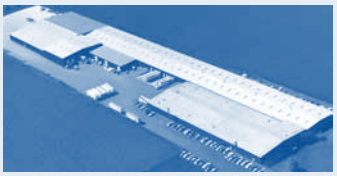

Hörmann Genk NV, Belgium


Hörmann Alkmaar B.V., Netherlands


Hörmann Legnica Sp. z o.o., Poland


Hörmann Beijing, China


Hörmann Tianjin, China


Hörmann LLC, Montgomery IL, USA


Hörmann Flexon, Leetsdale PA, USA

Hörmann is the only manufacturer worldwide that offers you a complete range of all major building products from one source. We manufacture in highly-specialised factories using the latest production technologies. The close-meshed network of sales and service companies throughout Europe, and activities in the USA and China, make Hörmann your strong partner for first-class building products, offering “Quality without Compromise”.

GARAGE DOORS

OPERATORS

INDUSTRIAL DOORS

LOADING EQUIPMENT

HINGED DOORS

DOOR FRAMES

Issue 09.2013 / Print 09.2013 / HF 84900 EN